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**PROGRAM**  
**NINETY-FOURTH ANNUAL MEETING**  
**MIDWESTERN PSYCHOLOGICAL ASSOCIATION**  
**APRIL 21-23, 2022**  
**CHICAGO**

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NEXT YEAR’S MEETING

April 20-22, 2023, Chicago

**Thursday Morning:**  
Registration in Exhibit Hall 7:30AM-5:00PM

Room	8:30AM – 10:20AM	10:30AM – 12:20PM
Exhibit Hall	<i>Psi Chi:</i> 8:00-8:50 Posters I (p. 257) 9:00-9:50 Posters II (p. 267) 10:00-10:50 Posters III (p. 278)	<i>Psi Chi:</i> 11:00-11:50 Posters IV (p. 288) 12:00-12:50 Posters V (p. 298)
Crystal		<i>MPA Invited Presidential Address:</i> Mary Murphy (p. 47)
Chicago	Social Identity (p. 28)	Race Consequences (p. 40)
Salon 1	Influence of Identity in Healthcare/Workplace (p. 25)	Psychological Applications to Legal Contexts (p. 37).
Salon 2	<i>Psi Chi Symposium:</i> 9:00 Everything you want to know about the GREs (p. 264) 10:00 Publishing undergraduate research (p. 275)	<i>Psi Chi Symposium:</i> 11:00 Preparing for grad school interviews (p. 285) 12:00 Data Blitz I (p. 306)
Salon 3	Belief Systems (p. 31)	INVITED SYM: Mobile phone sensing data: Uses and applications for psychological research (p. 51)
Salon 4/9	PROF DEV: How Motivational Interviewing Strengthens Relationships at Work (p. 34)	SYM: Psychological Safety and Diversity: Findings from the Indigenous Workways Project (p. 48)
Salon 5/8		Social Cognition I (p. 42)
Salon 6/7	Attitudes (p. 29)	Social Rejection & Belonging (p 41)
Salon 10	Stress & Coping (p. 26)	Adult Psychopathology (p. 38)
Salon 12	Language & Retention (p. 24)	Stress & Well-being (p. 36)
Indiana	SYM: Investigating the General Utility of the Multidimensional Psychological Flexibility Inventory (p. 33)	SYM: Applying the Multidimensional Psychological Flexibility Inventory to Various Clinical Concerns (p. 49)
Kimball	PROF DEV: Transitioning your Research as a New Faculty Member at TFIs (p. 36)	PROF DEV: Getting Started with the “New” Statistics (p. 45)
Logan		PROF DEV: Thriving as a first-year PhD student (p. 45)
Madison	Psi Alpha Meeting (p. 35)	Psi Beta Idea Exchange (p. 46)
Marshfield	PROF DEV: Getting the most out of clinical supervision (p. 32)	PROF DEV: Careers in Mental Health (p. 45)

**Thursday Afternoon**  
Registration in Exhibit Hall 7:30AM-5:00PM

<b>Room</b>	<b>1:00PM – 2:50PM</b>	<b>3:00PM – 4:50PM</b>
Exhibit Hall	Applied Social Psychology Posters (p. 59)	Cognitive Psychology Posters (p. 93)
Adams		3:30 <i>Psi Chi</i> Awards and Reception (p. 311)
Crystal	<i>MPA Invited Presidential Address:</i> Sylvia Perry (p. 58)	<i>APA Distinguished Lecturer:</i> Gordon Nagayama Hall (p. 102)
Chicago	Social Norms (p. 74)	Racism (p. 88)
Salon 1		New Approaches in the Workplace and Classroom (p. 85)
Salon 2	<i>Psi Chi Symposium:</i> 1:30 Data Blitz II (p. 308)	
Salon 3	Emotion (p. 79)	PROF DEV: Revising Syllabi and Policies with Belonging (p. 92)
Salon 4/9	WORKSHOP: An introduction to systems factorial technology and its application (p. 81)	SYM: Psychological and Neural Predictors of Problematic Digital Technology Use (p. 83)
Salon 5/8	Romantic Relationships (p. 77)	SYM: Remembering Mark Alicke (p. 82)
Salon 6/7	Group Threat (p. 76)	WORKSHOP: Changing peer-review culture (p. 103)
Salon 10	SYM: Treating opiod epidemic (p. 54)	Addiction and Substance Use (p. 89)
Salon 12	INVITED SYM: Faces and races in space (p. 57)	Learning & Memory (p. 84)
Indiana	The Psychology of Intersecting Identities and Aging (p. 73)	Family Relations (p. 87)
Kimball	PROF DEV: Solving the two-body problem (p. 56)	PROF DEV: Resources for Leaky Pipeline impacting Female Faculty Color (p. 90)
Logan	PROF DEV: Impact of a graduate student organization (p. 55)	PROF DEV: Team-Based Solution for Teaching Writing (p. 91)
Madison	PROF DEV: Developing Student Mentoring Initiatives within APA Division 27 (p. 55)	PROV DEV: Identity Development as Relates to the Road to Recovery (p. 91)
Marshfield	PROF DEV: Improving Community and Program Health through Data Management (p. 56)	PROF DEV: Improving College and Career Transition Services for Youth with ASD (p. 82)

**Social Hour: 5:00PM – 7:00PM**  
Empire Ballroom (Adjacent to Main Lobby) - All are invited!

## Friday Morning

Registration in Exhibit Hall 7:30AM-3:00PM

Room	8:30AM – 10:20AM	10:30AM – 12:20PM
Exhibit Hall	8:30-9:20 Psi Chi Posters VI (p. 314) 9:30-10:25 Psi Chi Posters VII (p. 325)	10:30-12:20 Neuro Posters (p. 130) 10:30-12:20 STP Posters (p. 232) 10:30-12:20 SCRA Posters (p. 248)
Red Lacquer	<i>MPA Invited Presidential Address:</i> Ethan Kross (p. 118)	<i>Psi Chi Distinguished Lecture:</i> Mesmin Destin + Chat (p. 335)
Crystal	<i>STP KEYNOTE:</i> Mary Kite (p. 229)	<i>MPA Invited Presidential Address:</i> Tom Gilovich (p. 129)
Chicago	Social Judgement (p. 109)	<i>STP KEYNOTE:</i> Meera Komarraju (p. 231)
Salon 1	Adverse Childhood Experiences (p. 115)	Eating Behavior & Health (p. 123)
Salon 2	9:00 Data Blitz III (p. 323)	WORKSHOP: Design approaches to experimental mediation (p. 128)
Salon 3	Gender Identity & Norms (p. 108)	Psychological Science Applications to COVID-19 (p. 122)
Salon 4	<i>STP Symposia (p. 230)</i>	
Salon 5/8	Stereotyping (p. 116)	Decision-Making & Valence (p. 125)
Salon 6/7	Interpersonal & Family Relationships (p. 111)	Motivation & Self-Control (p. 127)
Salon 9	<i>Psi Chi Symposium:</i> 9:30 Skills employees seek (p. 324)	
Salon 10	SYM: Partnership between Mental Health Researchers and Military-Focused Organizations (p. 114)	<i>INVITED SYM:</i> Empathy: An Important but Problematic Concept (p. 133)
Salon 12	Psychophysiology & Cognition (p. 112)	Memory & Attentional Processes (p. 121)
Indiana	<i>Division 27: Society for Community Research and Action Symposia and Roundtables (p. 243)</i>	
Kimball		
Logan		
Madison		
Marshfield		

## Friday Afternoon

Registration in Exhibit Hall 7:30AM-3:00PM

Room	1:00PM – 2:50PM	3:00PM – 4:50PM
Exhibit Hall	Clinical and Developmental Poster Session I (p. 143)	
Red Lacquer	<i>MPA Invited Presidential Address:</i> Lisa Fazio (p. 158)	<i>MPA Award Ceremony and Presidential Address:</i> Ed Hirt (p. 159)
Crystal		
Chicago	Implicit Bias (p. 137)	
Salon 1	Diverse Women & Mental Health (p. 136)	
Salon 2	<i>Psi Chi Symposium:</i> 1:00 Using your degree in the workforce (p. 335) 2:00 Psi Chi Grants and Awards for Individual Chapters/Fac (p. 335)	
Salon 3	WORKSHOP: Navigating Journeys through Open Science Initiatives (p. 142)	
Salon 4	<i>STP Symposia (p. 238)</i>	
Salon 5/8	Group Harm & Help (p. 138)	
Salon 6/7	Political Psychology (p. 140)	
Salon 9	<i>Psi Chi Symposium:</i> 1:00 Graduate Faculty Conversations (p. 335)	
Salon 10	Behavioral Neuroscience & Psychopharmacology (p. 134)	
Salon 12	Applied Cognition (p. 135)	
Indiana	<i>12:30 Society for Community Research and Action: Symposia and Roundtables (p. 243)</i>	
Kimball		
Logan		
Madison		
Marshfield		

## Social Hour: 5:00PM – 7:00PM

Empire Ballroom (Adjacent to Main Lobby) - All are invited!

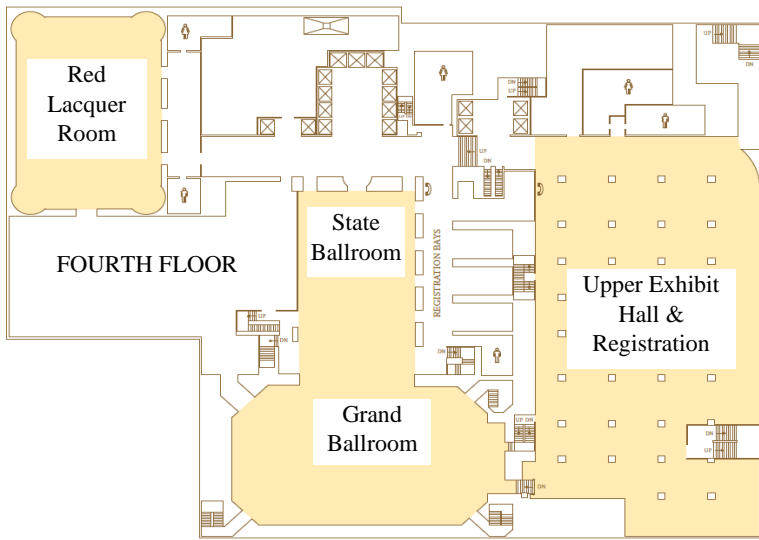
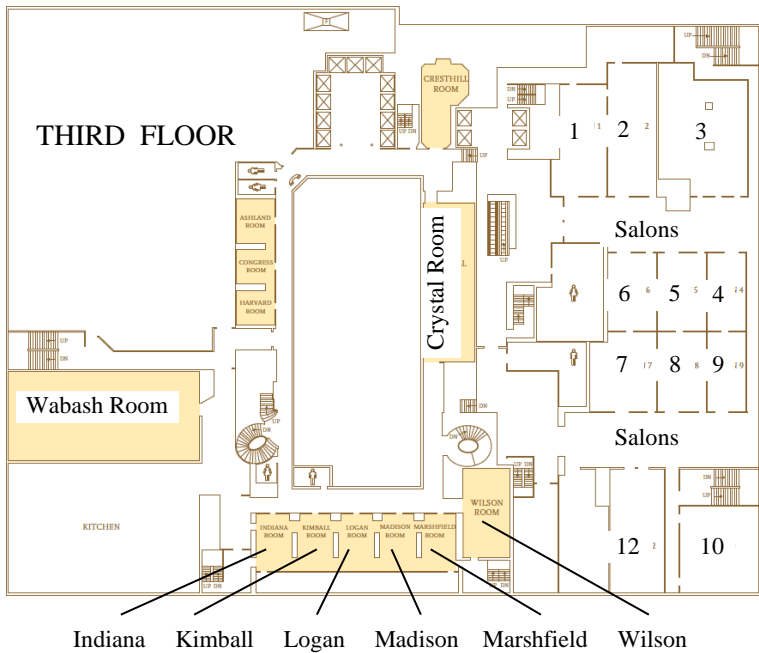
## Saturday

Registration in Exhibit Hall 8:00AM-12:00PM

Room	8:30-10:20AM	10:30AM-12:20PM	12:30PM-2:20PM
Exhibit Hall	Social Psychology Posters I (p. 172)	Social Psychology Posters II (p. 193)	Clinical & Developmental Posters II (p. 216)
Crystal	STP KEYNOTE: Sejal Schullo & Heather Chambers (p. 240)	<i>MPA Invited Presidential Address:</i> Lorenzo Lorenzo-Luaces (p. 207)	
Salon 1	College Student Adjustment (p. 165)	COVID-19 in Clinical and Developmental Context (p. 185)	Clinical and Developmental Measurement and Assessment (p. 211)
Salon 2	Mindset & Gender (p. 167)	Social Cognition II (p. 188)	Applications of Culture in Human Behavior (p. 208)
Salon 3	Social Processes and COVID-19 (p. 170)	The Self (p. 187)	Gender & Sexuality (p. 213)
Salon 4	<i>STP Symposia &amp; Roundtables (p. 218)</i>	WORKSHOP: Supporting and Engaging Undergraduates in Research (p. 190)	<i>STP Symposia &amp; Roundtables (p. 218)</i>
Salon 5/8	Implications of Technology for Social Behavior (p. 164)	Aggression & Psychopathy (p. 183)	Applications of Social Perceptions (p. 209)
Salon 6/7	Group Disparities (p. 168)	<i>SYM:</i> Societal Beliefs and Youth's Aspirations as Strategies for Change (p. 190)	PROF DEV: Basic Advocacy for Environmental Attitudes and Behavior: A Systems Approach (p. 215)
Salon 9	<i>STP Symposia &amp; Roundtables (pp. 265)</i>		
Salon 10	<i>SYM:</i> Continued Support for the Role of Cognition in Child Internalizing Symptoms (p. 181)	<i>SYM:</i> Parenting during the COVID-19 pandemic (p. 192)	PROF DEV: Student Preparation for Specialty-Track Training in Rehabilitation Psychology and Neuropsychology (p. 214)
Salon 12	Cognition I (p. 163)	Cognition II (p. 182)	PROF DEV: Increasing Child Engagement during Therapy via Telehealth (p. 215)

The *Call for Papers* for next year's meeting (April 20-22, 2023) will be posted September 1, 2022 at [www.midwesternpsych.org](http://www.midwesternpsych.org).

## MAPS OF MEETING ROOMS



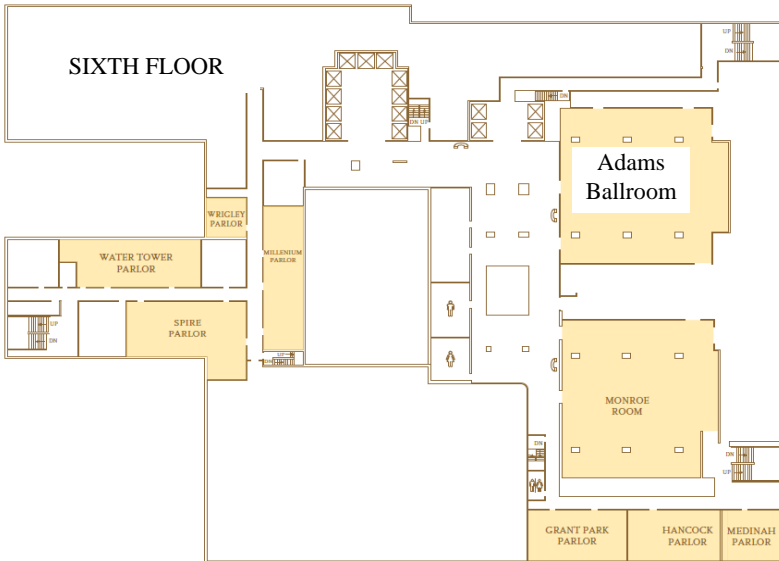


# MAPS OF MEETING ROOMS

## FIFTH FLOOR



## SIXTH FLOOR



## PRESIDENT'S MESSAGE

It is my pleasure to welcome everyone to Chicago for the 94th annual meeting of the Midwestern Psychological Association (MPA)! Our organization continues to thrive with over 2,500 members. After the pandemic forcing the cancellation of the 2020 conference and the 2021 conference to be fully online, we are eager for the upcoming conference to be back in person at the Palmer House and will do everything in our power to make it a safe and enjoyable experience for everyone in attendance. We have a great conference program this year that will appeal to everyone from first-time student attendees to established long-time members of the association.

The 2022 meeting includes the main MPA program, but also hosts the Psi Chi program, the Society for the Teaching of Psychology (STP) program, and the Society for Community Research and Action (SCRA, Division 27 Interest Group) program. The result is a wide variety of topics, formats, and presenters who include undergraduates, graduate students, and faculty from all over the country!

This year, MPA features a fantastic group of Presidential Invited speakers, including Mary Murphy (Indiana University; the value of growth mindset cultures in supporting diversity in science), Sylvia Perry (Northwestern University; colorblindness policies that lead to systemic racial inequality) on Thursday; Ethan Kross (University of Michigan; shifting language and perspective to promote self-control), Tom Gilovich (Cornell University; negative psychology, examining the prevalence of negative self-assessment and self-doubt), and Lisa Fazio (Vanderbilt University; the problems associated with misinformation), on Friday; and Lorenzo Lorenz-Luaces (Indiana University; current challenges in studying common mental health disorders) on Saturday. We are also fortunate to have Gordon Nagayama Hall (University of Oregon) give his APA Distinguished Scientist Lecture on the relevance of psychotherapy for addressing mental health disparities at our 2022 MPA meeting. Each of these distinguished speakers will share exciting and relevant programs of research that have broad appeal. The MPA Program also includes a stellar lineup of invited talks and workshops, symposia, individual talks, and posters. The Program Committee and its Chair, Dr. Jim Wirth, deserve special congratulations and our deepest appreciation and gratitude for putting together an excellent program. I thank everyone who has contributed to making this program possible.

Beyond the core MPA program, we also have invited speakers associated with Psi Chi (Mesmin Destin) and the Society for the Teaching of Psychology (Mary Kite, Meera Komarraju, Sejal Schulto, Heather Chambers). Special thanks to our Psi Chi organizer

(Lindsey Root Luna), our STP organizers (Deborah Miller, Steven Meyers, and Todd Manson), and our SCRA organizers (Moshood Olanrewaju and Ieisha Taylor) for their invaluable contributions to the program. The entire meeting would not be possible without the enormous amount of work behind the scenes by the MPA Council, the MPA Convention Manager (Lorraine Grogan), and the MPA Executive Officer (Michael J. Bernstein). We thank them for keeping MPA thriving, and for their tireless efforts to put on this meeting every year!

Finally, let me thank each of you for attending this year's meeting, for sharing your research with us, and for making MPA the best regional organization in psychology! I hope you find the research presented in the sessions to be stimulating, informative, and inspiring. Furthermore, I hope you will embrace the opportunity to meet new people and reconnect with old friends, and enjoy all that Chicago has to offer.

My best to each of you,

Edward R. Hirt  
2021-2022 MPA President

## GENERAL INFORMATION

### Purpose

The primary purpose of the Midwestern Psychological Association (MPA) is to promote the advancement of psychological science by conducting an annual meeting at which papers, posters, and symposia addressing psychological research may be presented.

The 2500+ members of MPA make it one of the largest regional psychological organizations. Members hold positions in universities, colleges, hospitals, clinics, school systems, business and industry, government and private practice. They teach, conduct research in laboratory, field, and industrial settings, engage in assessment and therapy, and serve as administrators and consultants. Their interests are among the most diverse in any professional association: from the physiology of vision to social stereotyping, from political psychology to medical psychology, from organizational behavior to children's language development, from memory to depression, from sex roles to drug addiction.

The MPA Annual Meeting is open to all psychologists, students, and members of the public who are interested in the scientific study psychology and in sharing the results of their findings with others.

### Membership

Persons with a doctorate in psychology may join MPA by completing a membership application online: [www.midwesternpsych.org](http://www.midwesternpsych.org). Online membership dues are \$45 for one year or \$120 for three years. Graduate students may become members with an endorsement from a faculty member. Graduate student membership is \$25 for one year. MPA's fiscal year runs July 1 through June 30; **all dues expire at the end of the fiscal year**. There is no geographic restriction on membership. Members whose dues are not current may renew their membership at registration.

Undergraduates cannot become members of MPA. However, undergraduates are welcome to register and attend the conference. Undergraduates should register for the meeting in advance online: [www.midwesternpsych.org](http://www.midwesternpsych.org).

## **Registration**

All attendees should register for the meeting in advance:

[www.midwesternpsych.org](http://www.midwesternpsych.org). Advanced registration fees are \$25 for regular MPA members, \$15 for graduate student members, \$25 for undergraduates, and \$100 for all other attendees. Attendees who preregister for the meeting will have a name badge ready for them when they arrive. All other attendees can register onsite.

Registrations **cannot be switched** between people. **All attendees must register. New badges will not be made** so please do not forget or lose your registration badge.

**An additional registration fee will apply to onsite registration.**

### **Onsite Registration Costs are as follows:**

Faculty Members: \$50

Grad Student Members: \$30

Undergraduates: \$50

Non-Members: \$100

Individuals looking for a single session “Family Pass” can go to the registration desk to purchase a pass for each person in the family that is good for a single session. All other aspects of registration remain the same.

### **Registration Location and Times:**

**Location:** Upper Exhibit Hall (Fourth Floor)

**Times:** Wednesday: 4:00PM – 8:00PM

Thursday: 7:30AM – 5:00PM

Friday: 7:30AM – 3:00PM

Saturday: 8:00AM – 12:00PM

### **Access for Persons with Disabilities**

The Palmer House is accessible for wheelchairs and all floors can be reached by elevator. However, the main elevators do not stop at the Exhibit Halls or the Club Floor. Persons needing assistance can contact the convention manager, Ms. Lorraine Grogan, who will attempt to arrange a volunteer to assist them during the hours they will be attending. Please contact Ms. Grogan as soon as possible to request such arrangements.

## **MPA Code of Conduct**

The Midwestern Psychological Association aims to provide a harassment-free conference experience for everyone, regardless of gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, religion, or nationality. We do not tolerate harassment of conference participants in any form. Conference participants violating these rules may be expelled from either specific or all remaining conference events without a refund at the discretion of the conference organizers.

Harassment includes, but is not limited to:

- Aggressive or hostile verbal comments that reinforce social structures of domination related to gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, religion, nationality
- Sexual images in public spaces
- Deliberate intimidation, stalking, or following
- Harassing photography or recording
- Sustained disruption of talks or other events
- Inappropriate physical contact
- Unwelcome sexual attention
- Advocating for or encouraging any of the above behavior
- Harassing MPA staff while they are performing the duties of organizing the conference

We expect participants to follow these rules at all event venues and event-related social activities.

Palmer House Security: (312) 726-7599

Local law enforcement: Chicago city police, 311 or (312) 732-1440 (Non-emergency numbers, dial 911 in an emergency)

Local sexual assault hot line: Chicago Rape Crisis Hotline 24/7 hotline, 1-888-293-2080

**Attendees who have family members coming to support them are responsible for their family members behavior during the conference and must ensure that they too follow the Code of Conduct.**

**Information about Chicago**

The Palmer House has concierge service in the main lobby. The concierge can help you arrange reservations and transportation to restaurants and Chicago attractions during your stay.

**Location and Directions**

The Palmer House is located in downtown Chicago (“the Loop”) at 17 East Monroe, between State and Wabash. The phone number is (312) 726-7500.

Map of Downtown Chicago

<b>90/94</b>	Dearborn				Lake Shore	
	Washington →					
	Madison ←					Millennium Park
	Monroe →	M				Art Institute
	Adams ←		★	M		
	Jackson →					
	<b>290/ Congress</b>					

Star = Palmer House Hilton  
M = Metra to/from airports

When taking public transportation from O'Hare International Airport, take the Blue Line train to Monroe/Dearborn stop. Take Monroe east to the hotel. The Palmer House is on the south side of the street. From Midway Airport, take the Orange Line from Midway to downtown. Get off at the Adams/Wabash stop. The Palmer House is located on the west side of Wabash Avenue.

If driving from 90/94: Take I-90/94 to Monroe Street exit, turn left on Monroe Street (east), approximately 8 blocks to the Palmer House. Hotel is on the right.

If driving from 55: Take Stevenson Expressway (I-55) northeast to Kennedy Expressway (I-90) west. Exit Monroe Street, turn right (east), 8 blocks to the Palmer House. Hotel is on the right.

### **Parking**

Parking is available at the Mid-Continental Plaza (55 E. Monroe, across Wabash from the Palmer House). Please contact the Palmer House for the daily rate. Two-way valet parking is also available at the Wabash entrance to the hotel. Rates include in/out privileges.

Vans can be parked if their height is 6'7" or less. Larger vans can be parked in the surface lot at Van Buren and Wabash (2 blocks south). Additional lots are also available south of the Palmer House. Rates are subject to change.

### **Airport Connections**

For information about airport connections to the Palmer House, visit the Hotel/Travel page of the MPA website. The site includes information about shuttles, public transit, and estimated cab fare to and from the airports.

### **Hotel Reservations**

You may reserve a room at the reduced conference rate through the Hotel/Travel page of the MPA website: <http://midwesternpsych.org>. Staying at the Palmer House supports MPA and helps keep membership and registration costs low.



## **MPA Officers**

<b>President:</b>	Ed Hirt, Indiana University
<b>Past-President:</b>	Ximena Arriaga, Purdue University
<b>President-Elect:</b>	Helen Harton, University of Northern Iowa
<b>Council Member:</b>	Tara MacDonald, Queens University
<b>Council Member:</b>	Thomas Redick, Purdue University
<b>Council Member:</b>	Rosalyn Davis, Indiana University Kokomo
<b>Executive Officer:</b>	Michael J. Bernstein, Pennsylvania State University Abington College
<b>Treasurer:</b>	Daren Kaiser, Indiana University-Purdue University Fort Wayne
<b>Historian:</b>	Bernard L. Dugoni, University of Chicago
<b>Investment Committee Chair:</b>	Allen R. McConnell, Miami University

## **Program Moderator**

Jim Wirth – The Ohio State University at Newark

## **Program Committee**

Amy Brunell – The Ohio State University (2020-2022)  
Christine Smith – Grand Valley State University (2020-2022)  
Sarah Schoppe Sullivan – The Ohio State University (2020-2022)  
Justin Yates – Northern Kentucky University (2020-2022)  
Beth Ann Rice – Slippery Rock University (2020-2022)  
Vrinda Kalia – Miami University (2021-2023)  
Jennifer T Stanley – University of Akron (2022-2024)  
Jessica Rohlfing Pryor – The Family Institute at Northwestern University  
(2022-2024)  
Jiuqing Cheng – University of Northern Iowa (2022-2024)  
BJ Rydell – Indiana University (2022-2024)  
Paige Llyod – Denver University (2022-2024)  
Andy Luttrell – Ball State University (2022-2024)

*2023 Program Moderator will be Renée Tobin – Temple University*  
**Convention Manager and Volunteer Coordinator**

Lorraine Grogan

ConferenceDirect®

Phone: 412-398-2182 (cell)

Email: Lorraine.Grogan@conferencedirect.com

**MPA Executive Officer**

Michael J. Bernstein

Psychological and Social Sciences Program

Penn State University Abington College

Email: mjb70@psu.edu

**MPA Staff Assistants:**

Pamala N. Dayley (University of California – Los Angeles)

**2022 GRADUATE STUDENT PAPER AWARDS**

Hailey Hatch, Saint Louis University  
*Transgender Attitudes: A Meta-Analysis*

Judy Kupchan, The Chicago School of Professional Psychology, Chicago  
Campus

*My Child Doesn't Recognize Me:  
The Validation of a Screening Measure for Developmental Prosopagnosia*

Zeynep Aslan, University of Chicago  
*Emotion Concept Representation in the Bilingual Mind*

Eliana Polimeni, Kellogg School of Management  
*Easier is Better: The False Allure of Easy Tasks*

Mithra Pirooz, University of Nebraska at Omaha  
*Gender Typicality in Relation to Brazilian Adolescents' Friendship Selection*

## **NEW MPA FELLOWS**

*Chana Akins, University of Kentucky*

*Frank Kardes, University of Cincinnati*

*Evava Pietri, University of Colorado*

*Mark Seery, University at Buffalo, SUNY*

*Tina Taylor-Ritzler, Dominican University*

*Ilya Yaroslavsky, Cleveland State University*

*Election to Fellow status requires evidence of significant contributions to the discipline or psychology and/or service to MPA in terms of scholarship, productivity, leadership, and visibility.*

## MPA PAST PRESIDENTS

1928 Adam R. Gilliland	1974 M. Ray Denny
1929 A. P. Weiss	1975 Winfred F. Hill
1930 Max F. Meyer	1976 William N. Dember
1931 Louis L. Thurstone	1977 Nathan H. Azrin
1932 Herbert Woodrow	1978 James G. Greeno
1933 Horace B. English	1979 Rudolph W. Schulz
1934 John J. B. Morgan	
1935 John A. McGeoch	1980 Donn Byrne
1936 Christian A. Ruckmick	1981 James A. Dinsmoor
1937 Harvey A. Carr	1982 Kay Deaux
1938 Arthur G. Bills	1983 Bibb Latane
1939 Edmund S. Conklin	1984 Judith P. Goggin
	1985 June E. Chance
1940 Joy Paul Guilford	1986 Leonard D. Eron
1941 Elmer A. Culler	1987 Neal F. Johnson
1942 J. P. Porter	1988 J. Bruce Overmier
1943 Robert H. Seashore	1989 Margaret J. Intons-Peterson
1944 No meeting	
1945 No meeting	1990 Norman K. Spear
1946 Sidney L. Pressey	1991 Geoffrey Keppel
1947 Dael L. Wolffe	1992 Elizabeth E. Capaldi
1948 Harry F. Harlow	1993 Henry L. Roediger III
1949 B. F. Skinner	1994 David C. Riccio
	1995 Rose T. Zacks
1950 Claude E. Buxton	1996 Ruth H. Maki
1951 William A. Hunt	1997 Susan Mineka
1952 Donald B. Lindsley	1998 Douglas L. Medin
1953 David A. Grant	1999 Alice H. Eagly
1954 Judson S. Brown	
1955 Paul E. Meehl	2000 Norbert L. Kerr
1956 Benton J. Underwood	2001 Randy J. Larsen
1957 William K. Estes	2002 Richard E. Petty
1958 Delos D. Wickens	2003 Thomas R. Zentall
1959 Arthur W. Melton	2004 Marilyn B. Brewer
	2005 Galen V. Bodenhausen
1960 Ross Stagner	2006 Ralph H. Erber
1961 Marion E. Bunch	2007 Kipling D. Williams
1962 I. E. Farber	2008 R. Scott Tindale
1963 Donald W. Fiske	2009 Judith Elaine Blakemore
1964 G. Robert Grice	
1965 Melvin H. Marx	2010 Janice Kelly
1966 Carl P. Duncan	2011 Donal Carlston
1967 Donald T. Campbell	2012 Mary E. Kite
1968 James J. Jenkins	2013 Russell Fazio
1969 Edward L. Walker	2014 Margo Montieth
	2015 John B. Pryor
1970 Harold W. Hake	2016 William G. Graziano
1971 Donald R. Meyer	2017 Allen R. McConnell
1972 David Ehrenfreund	2018 Linda Skitka
1973 Frank Restle	2019 Duane Wegener
	2020-2021 Ximena Arriaga

Thank you to our  
**MPA CONFERENCE SPONSORS**

---

Platinum

APA Digital Learning

Gold



Bronze



## **Exhibitors**

*Alliant International University*

*American Foundation for Suicide  
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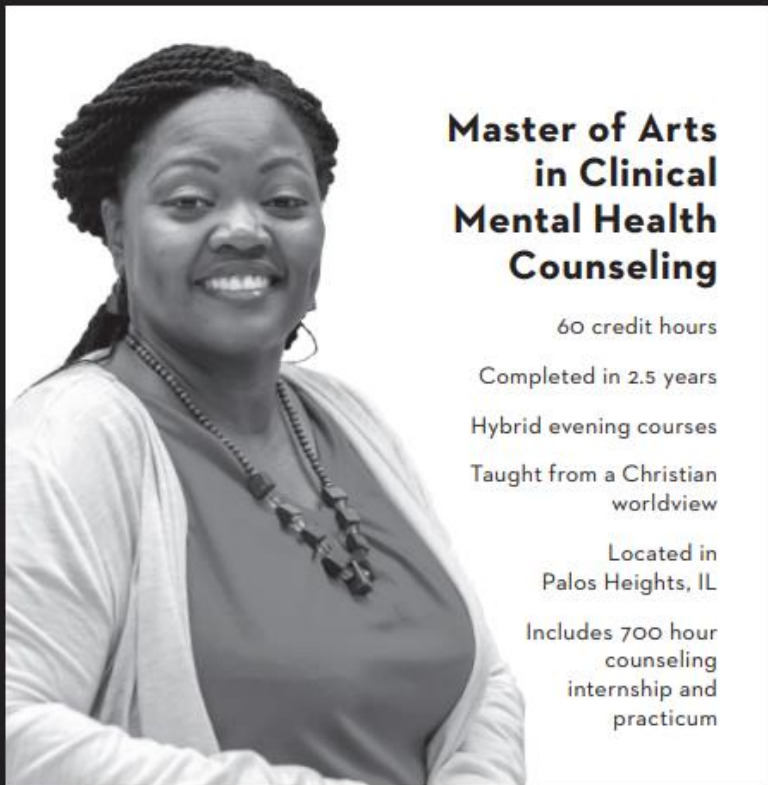
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**THURSDAY, APRIL 21, 2022**

Registration in Exhibit Hall 7:30AM – 5:00PM

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**Language and Retention**

Thu 8:30AM - 10:20AM

Salon 12

Moderator: Anthony Barnhart, Carthage College

**8:30 Emotion Concept Representation in the Bilingual Mind**

Zeynep Aslan, University of Chicago; Boaz Keysar, University of Chicago

In two studies, we investigated the way that emotions are represented in the minds of bilinguals. By constructing the language-specific affective maps of Turkish-English and Chinese-English bilinguals, we found that bilinguals place less emphasis on the arousal dimension while thinking about emotions in their foreign as compared to native language.

**8:45 Foreign language reduces false memories by increasing memory monitoring**

Leigh Grant, University of Chicago; David Gallo, University of Chicago; Boaz Keysar, University of Chicago

Bilinguals are more likely to activate additional monitoring resources when judging the veracity of their memories in their foreign as compared to native language. We show that this reduces false memories in a foreign language in both the DRM and the misinformation effect paradigms.

**9:00 Levels of Processing and Temporal Contiguity in Free Recall**

Abigail Mundorf, Michigan State University; Mitchell Uitvlugt, Michigan State University; Karl Healey, Michigan State University

The levels of processing effect is well-established, but it is unclear how it impacts important memory features, like temporal contiguity. We tested three theoretical predictions and found temporal contiguity was highest with no-task and higher for deep than shallow processing, consistent with a control processes account and retrieved context models.

### **9:15 The Curve of Forgetting**

Gabriel Radvansky, University of Notre Dame; Abigail Doolen, University of Notre Dame

The Ebbinghaus (1885) forgetting curve is the epitome of memory change over time. Many researchers assume that this follows a power function. However, an analysis of 751 data sets revealed different patterns under different conditions. The ability to predict future memory depends on several factors and selecting the appropriate function.

### **9:30 Animacy Improves Retention in the Method of Loci among Novices**

Janell Blunt, Anderson university; Joshua VanArsdall, Elmhurst College  
We examine the effects of animacy and the method of loci in recall. These phenomena have additive effects, and the mnemonic advantage of animacy is likely related to both the animate nature of words themselves and animate imagery associated with them. Implications for memory athletes and education are discussed.

## **Influence of Identity in Healthcare/Workplace**

Thu 8:30AM - 10:20AM

Salon 01

Moderator: Franki Kung, Purdue University

### **8:30 Exploring the effectiveness of identity-safety cues for Black Americans in organizational and health contexts**

Veronica Derricks, Indiana University Purdue University Indianapolis  
Identity-safety cues are frequently used to promote Black Americans' sense of inclusion, or identity-safety, across several settings. In this work, we examine whether and why efforts to engage Black Americans in organizational and health settings are effective, and identify conditions under which these efforts might inadvertently undermine feelings of identity-safety.

### **9:00 Institutional Mistrust in Healthcare between Black and White Americans**

Jeremy Jagers, DePaul University; Christine Reyna, DePaul University  
The role that trust plays in healthcare is important in both delivery and reception of treatment. Black and White Americans' trust in the healthcare system was examined in terms of income and bias. Findings suggest that there is a reasonable amount of trust that exists until racial bias is experienced.

**9:15 Race/Age Influences on Skillset Underrepresentation in Behavioral Job Interviews**

Allen Huffcutt, University of Wisconsin Green Bay; Satoris Howes, Oregon State University Cascades; Kelsi Engelhardt, University of Wisconsin-Green Bay

Research has found that many candidates in a modern behavioral job interview do not describe experiences that maximally portray their capabilities and can even significantly underrepresent them. This study found that race and age dynamics play a role in how effectively candidates handled difficult customers in the experiences they described.

**9:30 The Role of Dynamic Norms Relating to Women in STEM**

Yahui Chang, University at Buffalo; Kenneth DeMarree, University at Buffalo, SUNY

Social influence research differentiates between norms about ongoing change (dynamic norms) and norms about the current state (static norms), finding that dynamic norms have larger impact on behavior. We examined this in a new, complex domain, women’s participation in STEM, finding that dynamic norms lead to more positive STEM outcomes.

**9:45 An Examination of Workplace Incivility from the Perspective of Observers**

Aarren Minneyfield, Southern Illinois University Carbondale; Yueh-Ting Lee, Carbondale

Racial discrimination in the workplace shows negative consequences for ethnic minority employees who experience different leadership styles. Our experimental study (N=244) found that ethnic differences could play a role in the perception of organizational leadership and effectiveness, which implies that minority individuals associated certain leadership behaviors with racial discrimination.

**Stress and Coping**

Thu 8:30AM - 10:20AM

Salon 10

Moderator: Terri deRoon-Cassini, Medical College of Wisconsin

**8:30 Connection to Nature Attenuates the Grief–Mental Health Association**

Madison Schony, Ohio University; Mischkowski Dominik, Ohio University  
It remains unclear how grief, mental health, and connection to nature (CN) are related. In an online study (N=153) COVID-19 death-related grief was

correlated with decreased anxiety and depression among individuals low (but not high) in CN, suggesting that feeling CN may benefit the mental health of bereaved people.

### **8:45 Rumination and gender moderate effect of perceived threat on anxiety**

Katherine Knauff, Miami University of Ohio; Niki Hayatbini, Miami University; Seth Wilensky (He/Him/His), Miami University; Vrinda Kalia, Miami University

Perceived threat from COVID-19 has been associated with state anxiety. The present study investigates the moderating effects of rumination in the effect of perceived threat on state anxiety. Results demonstrate reflective rumination moderates the effect of perceived threat on state anxiety, but this effect differs by gender.

### **9:00 Interpersonal Stressors and Reassurance Seeking Differentially Linked to Problematic Eating**

Rebekah Holt, Cleveland State University; Kailee Shaver, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

We examined the associations between eating disorder symptoms, excessive reassurance seeking, and the two stress domains (interpersonal & non-interpersonal). Results support the specificity of interpersonal stress as a key risk factor for eating disorder symptoms, rather than stress in general, and an inverse relationship between reassurance seeking and body dissatisfaction.

### **9:15 Social Support is Associated with Lower Moral Injury in Nurses**

Diane Bonfiglio, Ashland University; Julie Lehrer, Ashland University; Kimberly Stanislo, Ashland University; Jacqueline Owens, Ashland University; Teresa Moorman, Ashland University

During the pandemic, nurses are experiencing moral injury, distress resulting from participating in or witnessing events that violate one's moral code. In this study of nurses, one-third of respondents reported at least moderate distress or impairment due to moral injury. Social support was associated with lower reports of moral injury.

### **9:30 Perceived Stress and Burnout in Certified Mental Performance Consultants**

Anthony Magdaleno, University of Wisconsin-Milwaukee; Barbara B Meyer, University of Wisconsin - Milwaukee

The purpose of the current study was to describe the prevalence of perceived stress and burnout in Certified Mental Performance Consultants (CMPCs).

Results indicate low perceived stress and burnout. Future research should explore factors associated with CMPCs' low perceived stress and burnout, like health-related quality of life and occupational recovery.

**9:45 Does Rumination Moderate the Associations between Dating Abuse and Psychopathology?**

Emma Church, Cleveland State University; Liz Goncy, Cleveland State University

The current study investigated whether emotional and verbal abuse would be moderated by rumination when predicting depression and PTSD. Although rumination was associated with both PTSD and depression scores, rumination did not interact with emotional and verbal dating abuse.

**Social Identity**

Thu 8:30AM - 10:20AM

Chicago

Moderator: Christine Smith, Grand Valley State University

**8:30 Signaling safety (and solidarity): Exploring the efficacy of congruent and incongruent identity-safety cues in organizational environments**

India R. Johnson, Butler University; Evava Pietri, University of Colorado, Boulder

Identity-safety cues aimed at one marginalized group can also signal identity-safety for marginalized groups incongruent with the cue. However, the efficacy of incongruent cues has only been examined among singly marginalized persons. Integrating work on stigma solidarity, we examine when incongruent cues encourage inclusion among singly and multiply marginalized persons.

**9:00 Advice-Giving in a Sunk Cost Situation: A Social Identity Perspective**

Young-Jae Yoon, Loyola University Chicago; Jeong-Gil Seo, Sungkyunkwan University

An experimental study explored when advisors conform to the sunk cost fallacy of a leader. We measured advisors' social identification levels and manipulated perceived leader prototypicality. We found that greater social identification significantly predicted the advisor's conformity to the leader's sunk cost decision when perceived prototypicality was high, not low.

**9:15 Solidarity Among Graduate Students: A need for peer mentorship**

Bayleigh Smith, Loyola University Chicago; Ryan Wong, Loyola University Chicago; Jaime Patrianakos, Loyola University Chicago

We examined faculty and graduate students' perceived need for a group based, student-led program. Indeed, participants perceived a program need; thus, Solidarity Among Graduate Students was created. During the Fall 2021 semester, this program is being piloted and evaluated in its effectiveness combating the negative consequences of graduate school.

**9:30 Mean, meaning, and measure: Three ways target identity influences trait judgments**

Neil Hester

Imagine rating the “dominance” of targets varying in gender, race, and age. Researchers often examine mean differences in trait ratings based on target identity. I argue that target identity also impacts the perceived meaning of trait words (e.g., physical versus intellectual “dominance”) and informs measurement of trait judgments (e.g., bipolar “submissive–dominant” scales versus unipolar scales).

**Attitudes**

Thu 8:30AM - 10:20AM

Salon 06/07

Moderator: Steven J. Hoekstra, Kansas Wesleyan University

**8:30 Belief system networks and identifying efficient targets of moral reframing**

Mark Brandt, Michigan State University; Shree Vallabha, Michigan State University

We simulate belief systems to make predictions about what attitudes will be harder and easier to change and if there will be secondary effects. Then, in two experiments we use moral reframing persuasive messages to test these predictions and find only limited support.

**8:45 Social Network Structure Shapes Advocacy Intentions**

Jacob Goebel, Ohio State University; Duane T. Wegener, The Ohio State University

Two studies assessed how social network position and advocacy goals impact choice of persuasive targets. Participants disproportionately targeted central group members when intending to persuade the group and bridges between two groups when intending to persuade the individual. Central targets were seen as more influential and bridges as more receptive.

**9:00 Does core worth reduce sensitivity to freedom-restricting language?**

Mark Matthews, The Ohio State University; Isaac Lindenberg, The Ohio State University; Duane T. Wegener, The Ohio State University

We examined the relation between *core worth*, individual differences in one's belief that they have inherent worth and value, and sensitivity to reactance inducing language (e.g., choice-restricting language). People high in core worth reported less reactance following a freedom threatening message compared to people low in core worth.

**9:15 Attitudes and Certainty Guiding Behavior As a Function of Extremity**

Borja Paredes, Universidad Autónoma de Madrid; Pablo Brinol, Universidad Autonoma Madrid; Richard Petty, Ohio State University, Columbus

Across two studies, we demonstrated that high attitude certainty was associated with greater ABC under relatively normal circumstances (low extremity). These results replicate prior research in attitude and attitude strength. In contrast, attidues certainty was associated with less ABC under extreme situations (high extremity), reversing the traditional attitude strenght outcome.

**9:30 The Effect of Heuristic Thinking on Perceptions of Change**

James Hillman, Queen's University; Jillian Antoun, Queen's University; David Hauser

The present research proposes that heuristics bias people's judgements such that they expect improvement when they have little information or motivation. Across 2 samples (total N=447) we show when people lack information, they tend to assume improvement has/will occur, suggesting heuristic thinking guides the assumptions people make about change.

**9:45 Simplicity Should Reduce Decision Biases, Does It?**

Balbir Singh, University of Colorado Boulder; Jordan Axt, McGill University; Joshua Correll, University of Colorado Boulder

Efforts to reduce bias by directing attention away from cues like race, gender, or attractiveness have limited utility. In a selection task, we sought to reduce bias by focusing attention on predictive information. Although decision accuracy increased, the errors that did occur were still biased by attractiveness.

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## Belief Systems

Thu 8:30AM - 10:20AM

Salon 03

Moderator: Kimberly Rios, Ohio University

### **8:30 Intellectual Humility for Existential Concerns: Cross-Cultural and Experimental Evidence**

Daryl Van Tongeren, Hope College; Aaron McLaughlin, Georgia State University; Don Davis, Georgia State University; Joshua Hook, University of North Texas; Nathan DeWall, University of Kentucky

Might intellectual humility reduce defensiveness and cultivate growth when considering existential concerns? Six studies tested this question. Three cross-cultural studies identified patterns of holding one's beliefs with commitment and humility, which was associated with less defensiveness and more openness. Three experiments examined intellectual humility in the face of existential threats.

### **8:45 The behavioral ecology of moral dilemmas**

Heather Maranges, Wake Forest University

Six studies ( $N=1,503$ ) demonstrated that childhood unpredictability, not harshness, predicts fewer deontological/harm-rejection and utilitarian/outcome-maximizing decisions. These associations were not moderated by perceptions of current environmental unpredictability, were robust to potential confounds (religiosity, political conservatism, Big-5, social desirability), and were statistically mediated by low levels of empathic concern and poor-quality relationships.

### **9:00 Self-Destruction or Surrender? Religiosity and Active Versus Passive Suicide**

Doug Krull, Northern Kentucky University; Stephanie Varga, Northern Kentucky University; Jady Sgro, Northern Kentucky University; Sarah Krull, Villanova University

The current project investigated the degree to which people see active and passive suicide as interfering with the natural course of life and death or allowing the natural course of life and death to take place. This variable substantially explained religious differences in approval of active and passive suicide.



**9:15 Challenging Circumstances Produce Beliefs and Behaviors  
Reflecting God-Driven Cultural View**

Troy Kearse, Howard University; Jamie Barden, Howard University;  
Kimberly Rios, Ohio University

Growing up in difficult life circumstances (low SES) predicted greater spontaneous verbal expressions of Gratitude to God. General belief in God-mediated control of life explained this relationship. This provides a candidate individual mechanism for religious cultural practices buffering the otherwise negative impact of difficult circumstances on well-being.

**9:30 Do Religious People Cope Better with Bereavement?**

Doug Krull, Northern Kentucky University; Catherine Drake, Northern Kentucky University

This study investigated religiosity and participants' reactions to the death of a loved one. More religious participants coped better and were less worried when the deceased shared their religious view but coped less well and were more worried when the deceased did not share their religious view.

**9:45 Not Yet, God: Divine Entitlement, Afterlife Conceptualization, and Death Anxiety**

Keith Jones, Central College; Haley Canney, Central College

Divine entitlement, a belief that one deserves special treatment from a deity (Grubb et al., 2017), negatively predicted death anxiety the more joyfully one viewed the afterlife. However, the more people perceived the afterlife as judgmental, death anxiety rose regardless of their sense of divine entitlement.



**Professional Development: How to get the most out of Clinical Supervision**

Thu 8:30AM - 10:20AM

Marshfield

**8:30 How to get the most out of Clinical Supervision**

Courtney Kibble, Governors State University; Mary McClure, Governors State University

In order to combat the problem of supervision becoming administrative, we need to establish a clear understanding of the purpose and scope of the supervisory relationship. This session provides an overview of foundational

knowledge in best-practice supervision objectives from the perspective of both supervisors and supervisees, at any developmental stage.



## Symposium

### **Investigating the General Utility of the Multidimensional Psychological Flexibility Inventory**

Thu 8:30AM - 10:20AM

Indiana

Organzier and Discussant: Chad Drake, Southern Illinois University

Psychological flexibility has garnered a growing body of empirical attention since it's conceptualization as a treatment target for Acceptance and Commitment Therapy (ACT; Hayes, et al., 2012) approximately twenty years ago. This construct has clear clinical utility, as demonstrated by cross sectional work relating it to various forms of psychopathology as well as mediational data relating it to mechanisms of action in randomized clinical trials. Still, the construct may be applicable to more than mainstream clinical interests, but that applicability would be easier to address with a more comprehensive and balanced approach to measuring it. The Multidimensional Psychological Flexibility Inventory (MPFI; Rolffs, Rogge, & Wilson, 2016) is a relatively new measure that appears to offer promise in this regard. The MPFI contains twelve subscales, six of which assess facets of psychological flexibility, and six which assess facets of psychological inflexibility. This symposium will present research with the MPFI on a broad range of issues, including public perceptions of the twelve subscales of the measure, potential demographic differences in these repertoires, the relationship between flexibility and social perceptions and aggression, and the relationship between flexibility and constructs from positive psychology.

#### **Name That Subscale: Exploring the Face Validity of the MPFI**

Emily Echevarria, Southern Illinois University, Chad E. Drake, Southern Illinois University, Bryant M. Stone, Southern Illinois University

#### **Demographic Differences in Psychological Flexibility**

Cerella Chandra, Southern Illinois University, Chad E. Drake, Southern Illinois University

**Psychological Inflexibility, Stigmatizing Social Perceptions, and Aggression**

Morgan C. Franklin, Southern Illinois University, Chad E. Drake, Southern Illinois University

**Flourishing and Flexibility: What's the Difference?**

Forrest Parker, Southern Illinois University, Chad E. Drake, Southern Illinois University

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**Misinformation and Disinformation: How Motivational Interviewing Strengthens Relationships at Work**

Thu 9:00AM - 10:00AM

Salon 04/09

**9:00 Misinformation and Disinformation: How Motivational Interviewing Strengthens Relationships at Work**

Kristijan Civljak, The Chicago School of Professional Psychology; Elizabeth Schwab, The Chicago School of Professional Psychology

Social media incivility, distortion and echo chambers have made us victims of alienation as facts are countered with alternative facts and conspiracy theories. Aggressive, inaccurate communication is reflected in workplace interactions as political divisions become personal. Participants in this workshop will apply MI techniques for respectful, empathetic, and appreciative interactions.

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**Psi Alpha National Honor Society for High School Psychology**

Thu 9:00AM - 10:00AM

Madison

**9:00 Psi Alpha National Honor Society for High School Psychology**

Bryan Gerber, Stark State College/Psi Alpha

This is professional development session is designed primarily for high school psychology teachers as well as anyone in a position to support and serve as a resource for high school psychology teachers. Anyone involved in the College Credit Plus program (high school students receiving college credit) are strongly urged to attend. We will examine the trials, tribulations, and ultimate enjoyment of teaching high school psychology. Many high school psychology teachers are assigned their courses without direct formal training in the discipline (many have Social Studies certification) and having little, if any, support from colleagues. Many high school psychology teachers are the only ones in their institution teaching within the discipline. We will discuss available resources, best practices, and ways to fully engage the students in understanding the science of psychology. Additionally, we will discuss pathways to secure assistance and support from colleagues teaching psychology on all levels. Best practices will include discussion of the APA 2.0 guidelines as well as the five pillars designed to strengthen the common core of psychology, particularly in the introductory course. The session will include ideas to integrate simple research-based activities and exercises into the curriculum as well as methods for applying psychological principles to the students' lives and the lives of those around them. This session will include small group discussion as well as opportunity to share methods individual attendees have found effective in the classroom. We will review the goals of preparing high school students to gain an appreciation for the science of psychology as well as assisting them in gaining awareness to psychologies impact on the world around them.



**Transitioning your Research as a New Faculty Member at TFIs**

Thu 9:00AM - 10:20AM

Kimball

## **9:00 Transitioning your Research as a New Faculty Member at TFIs**

Kristin Flora, Franklin College; Jamie L. Bromley, Franklin College  
Graduate programs are improving course offerings in pedagogy. What remains under supported is transitioning one's research agenda from R1 resources to those at teaching focused institutions. This session provides advice from mid-career faculty and administrators to help attendees explore models of scholarship, which will position them to become successful teacher-scholars.

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## **Stress and Well-Being**

Thu 10:30AM - 12:20PM

Salon 12

Moderator: Sara Bagley, Lindenwood University

### **10:30 Stress, Resilience, and Aging: A Biopsychosocial Perspective**

Samuele Zilioli, Wayne State University

In this talk, I will present empirical findings from my lab on stress, resilience, and aging using an approach that connects social influences and psychological traits and states to biological processes relevant to health and disease among middle-aged and older adults.

### **11:00 The Average Educator Workday and Well-Being**

Diana Zaleski, University of Illinois Springfield

This study aimed to investigate the relationship between educator well-being and the time educators spend teaching or engaging in other school-related activities. Hours spent on teaching and other school-related activities significantly predicted mental well-being. For every hour spent on teaching and other school related activities, mental well-being decreased by 0.15.

### **11:15 The Picture of Health: Visuals and Health-Related Math Problem Solving**

Marta Mielicki, Rutgers University Center for Cognitive Science; Charles Fitzsimmons, Kent State University; Lauren Schiller; Daniel Scheibe; Jennifer Taber, Kent State University; Pooja Sidney, University of Kentucky; Percival Matthews; Erika Waters; Karin Coifman, Kent State University; Clarissa Thompson, Kent State University

Undergraduates solved health-related math problems in one of four

conditions: icon arrays, risk ladders, number lines, or no visual. The number line condition outperformed the other visual display conditions, which did not perform any better than the no visual condition. These findings have important implications for effectively presenting health statistics.

### **11:30 Educational Assessment Experiences of College Faculty during COVID-19**

Teresa Ober, University of Notre Dame; Ying Cheng, University of Notre Dame

We gathered information from college faculty on the perceived impact of the COVID-19 on classroom assessment. An online survey was administered to 145 faculty teaching within U.S. institutions between February and July 2021. Implications of the impact of COVID-19 on instructors' changes to assessment format and administration are discussed.

## **Psychological Applications to Legal Contexts**

Thu 10:30AM - 12:20PM

Salon 01

Moderator: Ben Denkinger, Augsburg University

### **10:30 Public Perceptions of the Police: Trends Across 2020-2021**

Vivian Ta, Lake Forest College

A longitudinal study of public perceptions of the police was conducted using social media data. 30+ million tweets containing the terms “police” and “cops” were collected across 12 months in 2020-2021 and analyzed for sentiment. Short- and long-term changes in overall perceptions of the police emerged after several high-profile events.

### **11:00 Gender Differences and Perceptions of Rape Victims and Perpetrators**

Marissa Dongarra, Cleveland State University; Madeleine Reinhardt, Cleveland State University; Liz Goncy, Cleveland State University

The current study examined the association of gender and perceptions of perpetrator and victim gender roles in the context of rape scenarios. Although no association was found, results suggest reinforcement of heteronormative rape stereotypes, as most victims were assigned women and most perpetrators were assigned men.

### **11:15 Gauging the Effectiveness of Explicit Disclaimers Against Victim Blame**

Lina Flores Wolf, Loyola University Chicago; Yael Granot, Smith College

This research tests an intervention that seeks to decrease victim blame of survivors of sexual assault. Our results suggest that the introduction of an admonishment against blame can serve to reduce victim blaming, but this effect is primarily effective when relevance to the victim is low.

**11:30 Are Child Sexual Abuse and Sexual/Assault Related Misdemeanor Involvement Related?**

Ishita Munshi, Cleveland State University; Liz Goncy, Cleveland State University

This present study assesses perpetration of sexual-related misdemeanors in individuals with a history of child sexual abuse (CSA). The findings highlight public masturbation, assault, and domestic violence were associated with CSA, underscoring the need for pragmatic intervention strategies for victims of CSA to reduce misdemeanor perpetration in adulthood.

**11:45 The Use of Personal Information to Identify Terrorist Threats**

Torsten Reimer, Purdue University; Nathanael Johnson, Purdue University

Respondents ( $N=1,204$  U.S. citizens) perceived it to be more appropriate to analyze large amounts of private personal information from non-U.S. citizens than from U.S. citizens to identify terrorist threats. This form of ingroup favoritism was strongest among respondents displaying a combination of strong national identities and strong general privacy concerns.

**Adult Psychopathology**

Thu 10:30AM - 12:20PM

Salon 10

Moderator: Wendy M. Close, Wisconsin Lutheran College

**10:30 Borderline personality disorder moderates externally-implemented emotion regulation effects**

Kellyann Navarre, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

This study examined the relationship between borderline personality disorder (BPD) features and forgiveness as an externally-implemented interpersonal emotion regulation (IER) response on anger reduction following interpersonal exclusion and aggression tasks. Our findings suggest that IER has a salubrious effect that may be somewhat blunted for those with elevated BPD features.

### **10:45 Consistently angered: Borderline personality disorder predicts affective class membership**

Cheyene Horner, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

The current study tested associations between borderline personality disorder features and latent dysphoric (sadness, nervousness, anger) and hedonic (happiness) affects' stability and change patterns that were collected via Ecological Momentary Assessment. BPD features were uniquely tied to enduring anger elevations, even after covaried depression severity. Clinical implications will be discussed.

### **11:00 Psychological Interventions for Dysmenorrhea: A Meta-Analysis**

Sarah Rogers, Indiana University-Purdue University Indianapolis; Amanda Galloway, Indiana University Purdue University Indianapolis; Chen Chen, Indiana University School of Nursing; Kevin Rand, Indiana University-Purdue University Indianapolis

Dysmenorrhea is cyclic pelvic pain associated with menstruation and is highly prevalent among women. In this meta-analysis we synthesized evidence on the efficacy of psychological interventions for dysmenorrhea. Results showed that psychological interventions reduced pain severity and interference in women with dysmenorrhea.

### **11:15 Contraindication of a Strengths-Based Intervention for Comorbid PTSD and GAD**

Vanessa Wang, Southern Illinois University Carbondale; Bryant Stone, Southern Illinois University Carbondale

The current paper aims to report a case where a strengths-based intervention is contraindicated to a client presenting with comorbid PTSD and GAD. Although research has shown that strength-based approaches may foster resilience for PTSD, this novel strengths-based intervention triggered a negative response.

### **11:30 Psychologists' Care of Patients with IBS and Comorbid Anxiety Disorders**

Amy Patinella, The Chicago School of Professional Psychology  
Psychologists can utilize interventions to reduce symptoms of Irritable Bowel Syndrome (IBS). Survey results demonstrated higher confidence levels in treating comorbid anxiety and IBS for health psychologists compared to clinical or specialty psychologists. The results indicated a need for additional education for psychologists to effectively treat comorbid anxiety and IBS.



## **Race Consequences**

Thu 10:30AM - 12:20PM

Chicago

Moderator: Kelsey Thiem, Ball State University

### **10:30 Take a Deep Breath: Coping and the Cognitive Consequences of Racial Microaggression**

Brea Banks, Illinois State University

Using experimental methods, we found that engagement in a breathing exercise may mask the effects of cognitive depletion in Black college women who are exposed to racial microaggressions.

### **11:00 Danger or Dislike: Distinguishing Threat from Negative Valence as Sources of Automatic Anti-Black Bi**

David March, Florida State University

Prejudice is typically construed as valence. The DIP Model distinguishes implicit processing of valence from threat. Five studies tested whether automatic anti-Black bias is due to Black-threat vs. -negative associations. All studies indicated that Whites automatically associate Black with threat and the Black-threat association is stronger than the Black-negative association.

### **11:15 Stereotypes of the Socially (Im)Mobile**

Andrew White, Indiana University; Janelle Sherman, Indiana University; Edward Hirt, Indiana University-Bloomington; Amanda Diekman, Indiana University

Research on SES stereotyping has often treated SES as a static, immutable quality; yet, change in SES, social mobility, might amplify existing SES stereotypes. The current research indicates that perceptions are influenced not only by current SES, but by the trajectory of one's social mobility.

### **11:30 Victims or Perpetrators? Black and White Americans' Differing Race-Violence Associations**

Imara Peralta, Ball State University; Kelsey Thiem, Ball State University

Past research suggests that White Americans stereotype Black Americans as dangerous, violent, and aggressive (e.g., Devine, 1989). The current research builds on this past work by examining Black and White participants' judgments of Black and White Americans as being either perpetrators or victims of violence.

### **11:45 The Malleability of Racial Perceptions as a Function of Hairstyle**

Nadia Floyd, University of Colorado Boulder; Daryl Wout, John Jay College, CUNY; Andre' Oliver

Differing hairstyles of a racially ambiguous target disambiguated the target for Black perceivers. Black perceivers used the hairstyle to shape their perceptions of group membership and Black meta-stereotypes. Whereas, White individuals' perceptions did not shift according to hairstyle. We demonstrated that hairstyle is an important cue for Black perceivers.

### **12:00 The Changeability of Systemic Racism**

Vanessa Ivy, Ohio State University; Natarshia Corley, Ohio State University; Steven Spencer, The Ohio State University

We measured Black and White participants' beliefs about the changeability of systemic racism in reaction to reading an article about discrimination in the workplace. We found that for Black participants, the belief that systemic racism is changeable predicted greater collective action intentions and greater goal efficacy.

## **Social Rejection and Belonging**

Thu 10:30AM - 12:20PM

Salon 06/07

Moderator: Joan R. Poulsen, Indiana Purdue University at Columbus

### **10:30 Alcohol Moderates Threatening Effects of Ostracism and Sexual Objectification**

Maayan Dvir, The Max Stern Yezreel Valley College; Maayan Nagar, Ariel University and Beit Berl College

In a field experiment conducted in bars we manipulated sexual objectification and ostracism. We found that higher levels of subjective drunkenness led sexually objectified and ostracized women to perceive the situation as less threatening. This suggests dangerous social and personal implications to alcohol's anxiolytic effects.

### **10:45 Benefits of Self-Affirmation Beliefs for Coping with Self-Threat**

joselle carrillo, Kellogg School of Management  
Self-affirmation—the act of reflecting on a source of self-worth to restore one's self- integrity—helps people cope with self-threats. Previous research demonstrates that people recognize the benefits of self-affirmation. This work examines whether people's beliefs about self-affirmation buffer them from the negative effects of the self-threat of social exclusion.

### **11:00 Potential Impacts of Rejection Sensitivity Beyond Interpersonal Contexts**

Courtney Moore, The Ohio State University; Russell Fazio, The Ohio State University

This study tested the impact of rejection sensitivity on interest in applying to fictitious graduate programs with varying profiles. For the less competitive schools (i.e., those with higher acceptance rates), we found negative relations between rejection sensitivity and both willingness to apply and perceived likelihood of acceptance.

### **11:15 Effects of Thwarted Belonging on Scientific and Conspiratorial Beliefs**

Jason Folmsbee, Miami University; Heather M. Claypool, Miami University

This study examined the relationship between thwarted belonging and the endorsement of different meaning-making systems. Participants recounted a memory of exclusion, inclusion, or something neutral and then reported their beliefs in both conspiracy theories and science. After recounting exclusion (compared to non-exclusion), participants reported greater beliefs in scientific explanations.

### **11:30 Unifying Discrepant Findings of Social Rejection**

Megan Nadzan, University of Delaware; Lisa Jaremka, University of Delaware

Sociometer Theory implies that rejection from close relationships threatens belonging more than from non-close relationships. However, Need Threat Theory suggests relational closeness does not moderate threat to belonging. I propose a unifying framework that highlights the ways in which these 2 theories may complement each other.

## **Social Cognition I**

Thu 10:30AM - 12:20PM

Salon 05/08

Moderator: Duane T. Wegener, The Ohio State University

### **10:30 Expect the Best: Extending False Consensus to Individual Morality**

Kevin Willcox, Northern Arizona University; Ann Rumble, Northern Arizona University

Studies into False Consensus Effect have demonstrated that we expect others to act similarly to ourselves. We extended the False Consensus Effect to expectations of individuals' moral behavior. Results showed that participants'

moral behavior affected their expectations for another's moral behavior. Implications are discussed in relation to expectancy effects.

### **10:45 Waist-to-hip ratio predicts sexual perception and responses to sexual assault disclosures**

Gina Paganini, University of Denver; A. Alex McConnell; Jason Deska, Ryerson University; Steven Almaraz, East Los Angeles College; Kurt Hugenberg, Indiana University; E. Paige Lloyd, University of Denver  
Across five experiments (N=503), this work examined influences of waist-to-hip ratio on sexual perceptions and judgments of sexual assault disclosures. We present evidence that women with higher (vs. lower) waist-to-hip ratios are judged as more sexually restricted, less likely to experience sexual victimization, and less believable when reporting sexual victimization.

### **11:00 Folk Explanations of Aggressive Behaviors**

Randy J. McCarthy, Northern Illinois University; Audra Jensen, Northern Illinois University; Jared Wilson, Northern Illinois University; Alison Rivers, Northern Illinois University

Perpetrators perceive and explain aggressive behaviors differently than victims do. Specifically, perpetrators provide reasons for their aggressive behaviors, which frames their behavior as justified. Victims, on the other hand, explain the perpetrators' aggressive behaviors by referring to factors other than the perpetrators' thoughts.

### **11:15 Extended Reciprocal Open-Mindedness**

Salma Moaz, Loyola University Chicago; Victor C. Ottati, Loyola University Chicago

Students who imagined having an open-minded conversation partner reported higher levels of open-mindedness toward other members of that partner's group compared to students who imagined having a closed-minded partner. This effect was moderated by the perceived homogeneity of the group.

### **11:30 The Consequences of Dialectical Thinking for Political Centrism**

Zachary Roth, Ohio University; Kimberly Rios, Ohio University  
Researchers commonly explore the psychological characteristics that promote the adoption of political positions. We examined how dialectical thinking, a cognitive style that allows contradiction and change, related to political centrism. Two studies demonstrated a relationship between dialectical thinking and centrism. This effect affected theoretically relevant conflict management strategies.



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**Getting Started with the “New” Statistics: Tools, Tips, and Teaching Help for the Estimation Approach**

Thu 10:30AM - 12:20PM

Kimball

**10:30 Getting Started with the “New” Statistics: Tools, Tips, and Teaching Help for the Estimation Approach**

Robert Calin-Jageman, Dominican University

Attend this fun and accessible introduction to using and teaching estimation statistics (effect sizes, confidence intervals, and meta-analysis). Featuring new tools for R and jamovi (a free, student-friendly stats program) and data sets for students projects.

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**Thriving as a first-year PhD student**

Thu 10:30AM - 12:20PM

Logan

**10:30 Thriving as a first-year PhD student**

Annalisa Myer, City University of New York, Graduate Center

How can you approach the idea of a psychologically rich life while obtaining your doctoral degree? This interactive, 110-minute professional development session is tailored for anyone applying to PhD programs, starting their first year of graduate studies, or going through the suck and searching for a fresh perspective on life.

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**Careers in Mental Health: Sorting Through Your Graduate Degree Options**

Thu 10:30AM - 12:20PM

Marshfield

**10:30 Careers in Mental Health: Sorting Through Your Graduate Degree Options**

Lynne Knobloch-Fedders, Marquette University; LeeZa Ong, Marquette University; Karisse Callender, Marquette University; William Ewing, Marquette University; Madeline Glawe, Marquette University; Stephanie Laubacher, Marquette University; Sephora Wawa-Egbuche, Marquette University

The array of graduate degree programs in psychology and related fields can make it difficult to determine a career pathway in mental health. This workshop will present information about the various options, and provide tips for the application process. Doctoral students will also share their insider perspectives on graduate school.



### **Psi Beta Idea Exchange: Encouraging Research Experiences at Community Colleges**

Thu 10:30AM - 12:20PM

Madison

#### **10:30 Psi Beta Idea Exchange: Encouraging Research Experiences at Community Colleges**

Elizabeth Arnott Hill, College of DuPage

Psi Beta is the honor society for psychology students at community colleges. The session will feature a faculty / student panel on creating meaningful research experiences for early undergraduates. After the panel, remaining time will focus on idea-sharing around Psi Beta's four pillars - leadership, scholarship, research, and community service.



**MPA Invited Presidential Address**

**Growth Mindset Cultures That Support Diversity in Science**

Mary Murphy  
Indiana University

Thurs. 10:30AM – 12:20PM

Crystal

Moderator: Ed Hirt, Indiana University

The broadening beyond direct-to-student mindset interventions to a serious consideration of the mindset culture that surrounds people is now well under way. This represents both a shift in theoretical focus—understanding how individual vs. institutional change is created and maintained—and a shift in research practice and implementation. This talk describes our mindset culture research program and shares results of a new multi-institutional project that reveals how institutional transformation can support diversity in science.



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## Symposium

### **Psychological Safety and Diversity: Findings from the Indigenous Workways Project**

Thu 10:30AM - 12:20PM

Salon 04/09

Organizer: Catherine Kwantes, University of Windsor

This symposium results from an effort to extend an understanding of psychological safety from a variety of perspectives as part of the Indigenous Workways project. It examines the experiences of psychological safety for members of marginalized social groups as well as highlighting organizational practices that can increase psychological safety for all employees. The first presentation examines trust as a critical component to psychological safety, and what foci of trust are important to predict PS for members of minority groups vs non-minorities. The second presentation focusses on similarities and differences with what psychological safety means to employees depending on whether they identify as a minority vs non-minority member in their organization. The third presentation takes a closer look at how members of one specific minority organizational group, Indigenous employees, describe psychological safety, and the last presentation focusses on where organizations should focus most attention in implementing organizational practices to support psychological safety. Overall, results suggest being a member of a minority group with a history of colonization may impact the meaning of psychological safety (voice) versus being a member of a minority group without (belongingness) and that specific perspectives on psychological safety by minority group members should be taken into account.

#### **Trust and Psychological Safety for Minority and Non-minority Employees**

Leanne L. Gosse, Conestoga College, Catherine T. Kwantes, University of Windsor

#### **Two Different Worlds? Psychological Safety for Minority and Non-Minority Group Members**

Mahshid Soleimani, University of Windsor, Nada Hussein, University of Windsor, Fabiha Tahsin, University of Windsor, Jake Livingstone, University

of Windsor, Lisbeth Coxaj Ruiz, University of Windsor Emily Dugal,  
Catherine T. Kwantes, University of Windsor

**It Must Exist Somewhere? The Search for Psychological Safety in the Indigenous Workforce**

Alisha Jacobs, University of Windsor, Marie Macintyre, University of Ottawa, Sumin Rhee, University of Windsor, Nolan Lanoue, University of Windsor, Catherine T. Kwantes, University of Windsor

**Employee Expectations of Psychological Safety Within Two Different Norwegian Organizational Settings**

Jake Livingstone, Emily Dugal, Mahshid Soleimani, Taylor Ryan., Brynn Bondy, Fabiha Tahsin, Nada Hussein, Catherine T. Kwantes, University of Windsor, Bjorn Z. Ekelund, Human Factors Norway



**Symposium**

**Applying the Multidimensional Psychological Flexibility Inventory to Various Clinical Concerns**

Thu 10:30AM - 12:20PM

Indiana

Organizer and Discussant: Chad E. Drake, Southern Illinois University

The purpose of Acceptance and Commitment Therapy (ACT; Hayes, et al., 2012) is to increase psychological flexibility and decrease psychological inflexibility. A prominent conceptualization of ACT subdivides both flexibility and inflexibility into six distinguishable subprocesses, resulting in a total of twelve clinically-relevant repertoires of interest in the context of therapy. Only recently has a comprehensive measure of these twelve repertoires been available: the Multidimensional Psychological Flexibility Inventory (MPFI; Rolffs, Rogge, & Wilson, 2016). Unlike previous measures, the MPFI offers the capacity to explore a variety of potential contributing factors to outcomes of clinical interest in a manner that is comprehensive across the six subscales of each construct and balanced between flexibility and inflexibility. As such, the MPFI may facilitate a progressive program of research on specific contributors to the myriad forms of human suffering. This symposium will present research on the relationship of the MPFI subscales to symptoms of anxiety, depression, and trauma, as

well as to broader clinical concerns like self-perception and attitudes toward psychotherapy.

**“Predicting” Anxiety and Depression Symptoms with the MPFI**

Forrest Parker, Southern Illinois University, Chad E. Drake, Southern Illinois University

**Experiential Avoidance and Fusion Explain Variability in PTSD Symptoms**

Vanessa Wang, Southern Illinois University, Bryant M. Stone, Southern Illinois University, Chad E. Drake, Southern Illinois University

**Convergent and Predictive Validity of Existing Self-As-Context Scales**

Morgan C. Franklin, Southern Illinois University, Chad E. Drake, Southern Illinois University

**Seeking Help Flexibly: What Matters?**

Caleb Fogle, Southern Illinois University, Bryant M. Stone, Southern Illinois University, Chad E. Drake, Southern Illinois University

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## INVITED SYMPOSIUM

### **Mobile phone sensing data: Uses and applications for psychological research**

Thurs. 10:30AM - 12:20PM

Salon 03

Organizer: Brad Okdie, The Ohio State University

Mobile phones sensors such as geolocation afford scholars a unique window into human psychology. This symposium covers the practical and theoretical issues of collecting mobile phone sensing data while also demonstrating its applications. Attendees will leave with practical information on the processes of collecting and using mobile phone sensing data.

#### **Pairing Mobile Traces and Surveys to Situate Social Media Effects**

Joe Bayer, The Ohio State University

#### **Mobile psychology as an emergent sub-field: Highlights on affect, cognition, social connection, and solitude**

Scott Campbell, University of Michigan

#### **Make It Without Faking It: A Laymen's Tale of Mobile Longitudinal Experience Research**

Patrick Ewell, Kenyon College; Bradley Okdie, The Ohio State University at Newark

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## Symposium

### **Treating the Opioid Epidemic: A search for novel treatment targets and approaches**

Thu 1:00PM- 2:50PM

Salon 10

Organizer: Ilya Yaroslavsky, Cleveland State University

Opioid use reached “epidemic” proportions, with overdose becoming a leading cause of injury-related death in early- and middle-adulthood. Yet, opioid use treatment outcomes are poor, with most clients terminating treatment prematurely and many treatment-completers experiencing multiple sobriety lapses that presage their relapse following treatment. Opioid cravings sharply increase before sobriety lapses and are one pathway for a return to regular use, with a corpus of experimental and clinical works connecting increased cravings to dynamic processes that fluctuate within and across days. This symposium examines the interplay between dynamic opioid craving risk factors as they unfold within the daily lives of treatment-seeking adults with opioid use problems. The first presenter (Church) examines outpatient substance use treatment clients’ sentiment for a technology-augmented opioid use treatment through qualitative and quantitative means and its connection with treatment compliance. The second speaker (Yaroslavsky) will present findings on distinct latent dynamic risk-factor profiles that predict sharp opioid craving increases within the daily lives of outpatient clients. The third presenter (Horner) will discuss transactional relationships between affective states and opioid craving within an outpatient treatment-seeking sample.

#### **Sentiment Towards Technology-augmented Opioid Use Treatment Predicts Treatment-related Outcomes.**

Emma Church, Cleveland State University

#### **What Lies Beneath: Experience Sampling-Based Latent Profiles Detect Breakthrough Cravings.**

Ilya Yaroslavsky, Cleveland State University

#### **Dynamism of Craving and Affect in Opioid Use Disorder**

Cheyene Horner, Cleveland State University

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## **The Impact of a Graduate Student Organization**

Thu 1:00PM - 2:00PM

Logan

### **1:00 The Impact of a Graduate Student Organization**

Julia Pawlowski, Marquette University; Mikayla Karels, Marquette University; Tessa Miskimen, Marquette University; Olivia Kudick, Marquette University; Nathan Craven, Marquette University

The goal of this session is to inform the audience of this institution's department of Counselor Education and Counseling Psychology (CECP) Graduate Student Organization (GSO) and share its benefits for students. The GSO model offers opportunities for students to grow both personally and professionally.

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## **Building Bridges: Developing Student Mentoring Initiatives within APA Division 27**

Thu 1:00PM - 2:45PM

Madison


### **1:00 Building Bridges: Developing Student Mentoring Initiatives within APA Division 27**

Kaylyn Garcia, University of South Carolina; Savannah Simpson, University of South Carolina; Erin Godly-Reynolds, UNC Charlotte; Olya Glantsman, DePaul University

This session will discuss the development and implementation of a SCRA undergraduate mentoring initiative. We will discuss how to identify and meet the mentoring needs of students within one's division, strategies for recruiting mentors and mentees, and how to develop a community-informed, needs-based mentoring initiative using community psychology values.



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## **Improving Community and Program Health through Data Management**

Thu 1:00PM - 2:45PM

Marshfield

### **1:00 Improving Community and Program Health through Data Management**

Ashley Dominguez, Barry University

Disregarding data is detrimental to organizational success. Data management absorbs organizational resources like time and money. Outside of fiscal monitoring, organizations avoid analyzing programming and service delivery practices (World Health Organization [WHO] [74], 2021). Creative solutions for data management are reviewed to increase global health outcomes and respective organizational performance (SHAA2030).

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## **Solving the two-body problem: Navigating academia as a couple**

Thu 1:00PM - 2:50PM

Kimball

### **1:00 Solving the two-body problem: Navigating academia as a couple**

Renée Tobin, Temple University; Ximena Arriaga, Purdue University; Robyn Mallett, Loyola University Chicago; Adena Meyers, Illinois State University  
In this session, a panel of faculty members from different career stages, types of academic institutions, and subfields within psychology will discuss navigating the academic job market. Panelists will discuss the processes broadly and the unique aspects of faculty positions as a dual-career couple, before fielding questions from the audience.

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## INVITED SYMPOSIUM

### **Faces and races in space: Representing the faces of different racial groups in psychological space**

Thu. 1:00PM – 2:50PM

Salon 12

Organizer: Joshua Correll, University of Colorado Boulder

In 1991, Valentine suggested that perceivers represent the faces they encounter in a multidimensional psychological space. Three talks explore the impact of race on representations of exemplars in face space, using cross-sectional and developmental datasets, as well as multidimensional scaling and machine learning-based analyses.

#### **Race, Contact, And The Mental Representation Of Faces**

Joshua Correll, University Of Colorado Boulder

#### **Exploring Visual Representations Of Race With Deep Generative Models**

Stefan Uddenberg, Booth School Of Business, University Of Chicago

#### **Experience Shapes Humans' Mental Representation Of Faces: Evidence From Children And Adults**

Catherine Mondloch, Brock University

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**MPA Invited Presidential Address**

**Dismantling the colorblind positions that contribute to and sustain systemic racial inequality in the U.S: From facilitating discussions about racism to increasing personal awareness**

Sylvia Perry  
Northwestern University

Thurs. 1:00PM – 2:50PM

Crystal

Moderator: Sarah Schoppe-Sullivan, The Ohio State University

I will discuss my program of research on racial bias awareness, including how it is related to White individuals' perceptions of their own and others' biases, and their willingness to discuss race with others (including their children). Next, I will discuss White parents' racial socialization practices and how the cues they may signal during these discussions may influence their children's intergroup attitudes. Recommendations and policy implications will be discussed.

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## Applied Social: Poster Session

Thu 1:00PM - 2:50PM

Upper Exhibit Hall

### **1 Factors Predicting Student Burnout in the Context of COVID-19**

Victoria Arndt, Southern Illinois University, Carbondale; Adam Green, Southern Illinois University Carbondale; Aradhna Mohan, Southern Illinois University Carbondale; Kieleha Pinkston, Southern Illinois University, Carbondale; Conor Ely, Southern Illinois University Carbondale

The current study aimed to assess the utility of a variety of factors in predicting student burnout in the context of COVID-19. Results indicated that positive perceptions of education quality, reduced isolation, and increased university support reduce burnout. These findings provide insights useful to prevent burnout in college students.

### **2 Motivated Reasoning and Faculty Interpretation of Student Evaluation Research**

Guy Boysen, McKendree University; Breanna Sampo, McKendree University  
Student evaluation surveys are important for assessing teaching, but experts disagree about the existence of gender bias in their results. Using a cross-disciplinary sample of instructors, the current research showed that faculty members' initial beliefs about gender bias in student evaluations influenced their perceptions of research on the topic.

### **3 Performance Expectations and Control Strategies: Anticipating the Best then Preparing for the Worst**

Abigail Kroke, University of North Dakota; Joelle Ruthig, University of North Dakota; Brett Holfeld, Memorial University of Newfoundland; Reid Milner, University of North Dakota; Callie Clabaugh, University of North Dakota

Students overestimate future performance, then reduce expectations as feedback approaches. Individuals also shift from primary- to secondary-control strategies when opportunity to exert influence passes. To assess congruence in performance estimates and control strategies, students completed control strategy measures and performance estimates before/after three exams. Results provide insight into students' self-regulation.

#### **4 Reducing the Zero-Sum Perspective of Gender Status: Preliminary Findings**

Abigail Kroke, University of North Dakota; Joelle Ruthig, University of North Dakota; Cody Combs, University of North Dakota

Gender equality has broad societal benefits, yet research shows continued evidence of gender-related biases and barriers to equality. One barrier is the Zero-Sum Perspective of gender status: belief that women's gains directly correspond with costs to men. This study explored whether this perspective could be decreased with an educational intervention.

#### **5 Influence of Facets of Openness to Experience on Music Preference**

Fabio Setti, Illinois State University; Jeffrey Kahn, Illinois State University

The kind of music people prefer appears to be reliably predicted by the broad trait openness to experience. However, the specific facets of openness to experience have not been explored as possible predictors of music preference. This study examined the ability of openness to experience facets to predict music preference.

#### **6 Sunk costs and fraud compliance in different environments**

Jasmine Ahmad, DePaul University; Jessica M. Choplin, DePaul University

Individuals sinking costs were more likely to comply and pay fraudulent fees in fraud simulation studies taking place in a lab on campus. These studies were adapted to a remote environment. Compliance decreased, and sunk costs did not increase likelihood of compliance in the remote version of the study.

#### **7 Oh, the places you've lived! Personal histories and place attachment**

Virgil L. Sheets, Indiana State University; Kassie Oskins, Indiana State University; Adam Almaraz, Indiana State University

University retirees identified four places they had lived, things that happened there, and their attachment to each. Duration of residence was not a significant predictor of attachment, but life events was. People were more attached to places they retired, places they lived out-of-country, and to their childhood homes.

#### **8 Attitudes Towards and Endorsement of Lesbian and Straight Women Leaders**

Jackie Shaib, Claremont Graduate University; Michael Hogg, Claremont Graduate University

This study explores whether lesbians have easier paths to positions of leadership over heterosexual female candidates. A vignette of a candidate running for CEO of a non-profit investigated the effects of participant gender,

leader sexual orientation, attitudes towards lesbians, and participant sex-role orientation on attitudes towards and endorsement of leaders.

### **9 A Chilling Effect: Conservatism, Religiosity, and Authoritarianism in the Classroom**

Ryan Hjelle, University of Minnesota Duluth; Nicholas Kellar, University of Minnesota Duluth; Nicholas Catlett, University of Minnesota Duluth

This study assessed the relationship between philosophical diversity and self-reported discomfort in sharing one's opinions in the classroom on a variety of controversial topics. We also compared authoritarianism between a college and non-college educated sample. Results indicate the current classroom environment and pedagogy may be inhibiting voices of diverse viewpoints.

### **10 Effects of Personality and Psychological States on Social Media Use**

Craig Rogers, Campbellsville University

Social media is an important part of everyday life. As such, an investigation is warranted to better understand the factors that influence not only our usage but also the effects of social media use. This study found that social media use was related to personality and several psychological states.

### **11 Vaccine Hesitancy Impacts Vaccine Advocacy Responses**

Emily Chavez, James Madison University; Ezra Hickey, James Madison University; Corinne Polk-Trauman, James Madison University; Karimah Turner, James Madison University; Kala Melchiori, James Madison University

We found that people are more likely to use effective vs. ineffective vaccination advocacy strategies with a vaccine hesitant mother to a 1-year-old. Patient race does not seem to effect what strategies are used. A nonsignificant trend for different strategies for different levels of hesitancy and future directions are discussed.

### **12 Investigating the Difference Between Deliberate Lies and Honest Mistakes**

Andrew Provenzano, Penn State Scranton; James Lampinen, University of Arkansas

We conducted a semi-structured interview with participants to identify how people distinguish between a deliberate lie and honest mistake. This study suggests that motive and non-verbal cues are the most prominent predictors of participants classifying a false statement as a deliberate lie.

### **13 A Diary Study Investigating False Statements**

Andrew Provenzano, Penn State Scranton; James Lampinen, University of Arkansas

This study consisted of a diary study where participants reported false statements and then described their reason for classifying the statements as a deliberate lie or honest mistake. The result from this study suggests that two distinct patterns of classifying false statements.

### **14 How Social Cues Provoke Unfollowing Behavior in “Cancel Culture”**

Angela Rose, Kansas State University; Abby Bliss, Kansas State University; Laura Brannon, Kansas State University

Unfollowing someone on social media is a large part of “cancel culture”, where people ostracize someone who has said or done something socially unacceptable. We explored the extent to which people consider unfollowing someone based solely on social cues, such as how many people have already unfollowed the person.

### **15 Does Wearing A Mask Inhibit A Person’s Ability To Read Emotion?**

Rebecca Vandervoort, Cornerstone University; Sergio P. da Silva, Cornerstone University; Dayna Dekryger, Cornerstone University

This research explores a new issue in social psychology. With the advent of the COVID-19 pandemic came widespread mandates for wearing face masks. However, masks may affect our interactions with others and how we are able to understand their expressions. The study shows that our confidence in interactions may be reduced.

### **16 After Baby After Thoughts: Methodological Lessons Learned**

Cheryl DeLeon, Purdue University Northwest-Westville; Christabel Rogalin, Purdue University Northwest

Our Study 1 replication of Gorman & Fritzsche’s (2002) research on the “good mother stereotype” revealed that only 43% of participants correctly identified the mothers’ races based on racially-tagged names only. Study 2 explored whether telling participants the mothers’ races in vignettes would increase participants’ correct recall for the mothers’ races.

### **17 Food Insecurity, Social Satisfaction, and Mental Health during the Pandemic**

Maegan Jones, St. Cloud State University; Jamie Opper, Saint Cloud State University; Amanda Hemmesch, St. Cloud State University; James Cottrill, Saint Cloud State University; Ann Finan, Saint Cloud State University; Sandrine Zerbib, Saint Cloud State University

Telephone surveys were used to collect data about food insecurity, social satisfaction, and mental health from a random sample of 206 adult Minnesotans (44% women, 74% white, Mage = 52.30, SD = 18.05). There was a relationship between food insecurity and mental health that was affected by social satisfaction.

### **18 Self-Exempting Beliefs as Predictors of Risky Hiking Behavior**

Katherine Kortenkamp, University of Wisconsin - La Crosse; Colleen Moore, University Of Wisconsin Madison; Jake Salzman; Marissa Miller, University of Wisconsin La Crosse; Calla Valiquette; Morgan Richman, University of Wisconsin - La Crosse; Lauren Jann; Kristin Gruenweller

Researchers observed how close hikers got to a bluff edge, and then hikers completed surveys measuring their self-exempting beliefs about the dangers of getting too close to the edge. Finally, hikers were presented with warning signs about these dangers to assess the effectiveness of messages deterring approaching the bluff edge.

### **19 Intimate Partner Violence, Hope and Suicidality among Latinas**

Kayla Lewis, Marquette University; Lisa Edwards, Marquette University; Lucas Torres, Marquette University; Karina Loyo, James Haley Veteran's Hospital

This study assessed if hope (e.g., pathways and agency) moderated the effects of intimate partner violence (IPV) on suicidality in 180 Latina adults. Results suggested the positive association between IPV and suicidality was stronger among Latinas with higher levels of pathways and agency than those with lower levels.

### **20 Associations Between Dark Tetrad Traits, Cyberbullying, and Aggression in Undergraduates**

Maya Irvin-Vitela, Iowa State University; Patsion Price, Iowa State University; Monica Marsee, Iowa State University

This study examined associations between Dark Tetrad traits, aggression, and cyberbullying in college students. Results indicated that sadism and emotional dysregulation were uniquely associated with cyberbullying. Machiavellianism, sadism, and Borderline Personality traits predicted independent variance for aggression. These results have implications for interventions to reduce aggression and cyberbullying among undergraduates.

### **21 Mindfulness, resident aggression, and psychological outcomes in nursing home workers.**

Chung Xiann Lim, Bowling Green State University; Maria Kalantzis,



Bowling Green State University; William O'Brien, Bowling Green State University

Mindfulness is a potential facilitator in the association between stressful events and negative psychological and physiological outcomes in healthcare workers. Secondary analyses were drawn from RCT data at baseline. Results indicated that mindfulness was a partial mediator in the relation between workplace violence and burnout, musculoskeletal symptoms, and injury count.

## **22 Just Vengeance or Just Vengeance? Perceived Motivations of Aggressive Behaviors**

Jared Elijah Wilson, Northern Illinois University; Randy J. McCarthy, Northern Illinois University

The Victim-Perpetrator Asymmetry describes role-based perceptual differences in aggressive acts. Replicating and extending Ent and Parton's (2020) study, this study compares victim and perpetrator perceptions of vengeance motivations for an aggressive act. Perpetrators should recount vengeance-based (i.e., justifiable) motivations, while victims should attribute aggression to the perpetrator's character.

## **23 Self-Efficacy for Advocacy Scale: New Evidence of Convergent Validity**

Tia Turner, University of Dayton; Sarah Clark, University of Dayton; Roger Reeb, University of Dayton

The new Self-Efficacy for Advocacy Scale correlated highly with a well-validated self-efficacy scale commonly used in community-based research (i.e., Community Service Self-Efficacy Scale), thereby providing strong evidence of convergent validity. Other evidence of psychometric properties for this new scale is also presented. Development of an empirically-derived short version is considered.

## **24 Familism as a Predictor of Life-to-Work Conflict and Family-Work Enrichment**

Sydney Ruggles, Ball State University; Chloe Woodling, Ball State University; Katie Lawson, Ball State University

The current study evaluated familism as a predictor of life-to-work conflict and family-work enrichment among computer science faculty in the U.S. Results indicated that those who placed higher value into their family were more likely to have higher levels of family-work enrichment (but not life-to-work conflict).

## **25 Sexual Assault Believability: Investigating Rape-Myth Acceptance and Sex-work Stigma**

Kirsten Dean, Central College; Randall Renstrom, Central College

This experiment examined the impact of rape-myth acceptance and sex-work involvement on believability of sexual assault allegations. It was hypothesized that allegations are less likely to be believed if the survivor is involved in sex-work, and that this effect is stronger among participants scoring high in acceptance of rape-myths.

## **26 Exploring Young Adults' Tolerance for Sexual Harassment**

Erick Herrera Hernandez, Marquette University; Debra Oswald, Marquette University

We examine how young adults' ideological beliefs and political party identity are associated with tolerance of sexual harassment, support for #MeToo and the confirmation of Judge Kavanaugh. Results suggest anti-sexual harassment trainings should consider addressing ideological factors and anti-sexual harassment laws should be framed as nonpolitical to gain bipartisan support.

## **27 Belonging and Diversity Climate on Turnover Intentions and Job Commitment**

Chloe Woodling, Ball State University; Sydney Ruggles, Ball State University; Katie Lawson, Ball State University

This study examined perceived diversity climate and sense of belonging as predictors of turnover intentions and job commitment in computer science faculty, and whether gender moderated these associations. Results indicated that higher belongingness and a positive diversity climate predicted lower turnover intentions and higher job commitment for men and women.

## **28 Psychological Health and Relationship Satisfaction among Bisexual People**

Samantha Ziegler, Indiana State University; Veanne Anderson, Indiana State University

We studied factors associated with psychological health and relationship satisfaction in bisexual people. Less internalized binegativity, more relationship satisfaction, and more connectedness to the bisexual community predicted psychological health. In addition, the participant's gender identity and their intimate partner's gender identity were associated with psychological health and relationship satisfaction.

## **29 Post or Protest?: Factors Influencing White Women's Engagement in Activism**

Keeley Hynes, Illinois State University; Megan Donnelly, Illinois State University; Alexandra Horton, Illinois State University; Brea Banks, Illinois State University

As part of the current study, we found that for white undergraduate women, exposure to gendered microaggressions, colorblindness, and political efficacy significantly predicted ratings of political activism on social media but not in-person political activism (e.g., rally attendance). Current literature, implications, and future directions will be discussed.

### **30 Minority Stress Theory and Suicide Risk in Sexual Minority Women**

Meredith Whitfield, Western Kentucky University; Maria Hernandez, Western Kentucky University; Amy Brausch, Western Kentucky University  
Minority Stress Theory has potential to explain the disparity in suicide risk behaviors in sexual minority women compared to heterosexual women. SMW were found to have greater suicide risk and self-harm behaviors compared to heterosexual women. Further, differences in reported minority-specific stressors were found among subgroups of SMW.

### **31 Examining Attitudes Toward Transgender Defendants**

Kendall A. Klein, University of North Dakota; Alison E. Kelly, University of North Dakota

This study examined juror guilt and blame decisions and attitudinal predictors related to transgender defendants. Participants read vignettes featuring transgender and cisgender male and female defendants accused of prostitution or drug possession. Significant differences were found between type of crime and gender. Transphobia and sexism were identified as predictors.

### **32 COVID-19 impact on caregivers of individuals with disabilities: Gender differences**

Jenna Ausloos-Lozano, Illinois Institute of Technology; Alison Oh, Illinois Institute of Technology; Jessica Springer, Illinois Institute of Technology; Katelyn Aldridge, Illinois Institute of Technology; Jonathan Tsen, Illinois Institute of Technology; Eun-Jeong Lee, Illinois Institute of Technology  
Limited research has explored the impact of the COVID-19 pandemic on individuals in general, but this is especially true among family caregivers of individuals with chronic illness/disability. Correlation and independent sample t-test analyses revealed a significantly greater impact of the COVID-19 pandemic on female caregivers compared to male caregivers.

### **33 Reasons for Living in Heterosexual and Sexual Minority College Students**

Jenessa Canen, Western Kentucky University; Amy Brausch, Western Kentucky University

The current study sought to extend research on sexual minority suicide risk by comparing reasons for living for heterosexual and sexual minority college students. Results showed that sexual minority students endorsed fewer living reasons, and reasons for living associated differently with suicide risk depending on sexual orientation status.

### **34 Trait Mindfulness in the Relationship between Workplace Stressors and Strains**

Alexandra Ilie, Illinois State University; Dan Ispas, Illinois State University; Dragos Iliescu, University of Bucharest; Kevin Askew, Montclair State University

We investigate the moderating role of trait mindfulness in the relationship between workplace stressors and strains. Data were collected from 180 employees at three points in time over a period of six-months. Results show that trait mindfulness has a protective role by reducing the negative relationship between stressors and strains.

### **35 Faculty Burnout During the COVID-19 Pandemic**

Taylor Sloan, The University of Northern Iowa; Tenzin Urgyen, University of Northern Iowa; Helen C. Harton, University of Northern Iowa

Faculty from around the world completed a questionnaire on job attitudes. As predicted, faculty who reported more job demands and fewer job and personal resources reported more burnout and less organizational commitment. Lack of work/life balance, administrator support/respect, and impacting field/community had the most impact on burnout.

### **36 Understanding Gender-Based In-Group Negativity in the Workplace**

Lauren Luchetti, Northern Illinois University; Alecia M. Santuzzi, Northern Illinois University

This project focuses on gender bias and aims to add onto the existing literature on understanding applications of intergroup judgment in the workplace. Results demonstrated an in-group bias effect on behavior attributions, particularly when men evaluated managers who were men.

### **37 Beyond the Water Cooler: Relationship between Gossip and Conspiracy Theories**

Brianna Weitlauf, Murray State University; Hillary Copeland, Murray State University; Jana Hackathorn, Murray State University

This study investigates the relationship between workplace gossip and

conspiratorial beliefs. Preliminary results indicate organizational conspiracy theory beliefs positively correlate with negative supervisor gossip and positive co-worker gossip. These results extend limited current knowledge regarding gossip as an antecedent of organizational conspiratorial beliefs, improving agencies' ability to eventually prevent them.

### **38 Machiavellian Views and Tactics: Association with Workplace Values and Vocational Interests**

Greg Russell, Central Michigan University; Todd Williams, Grand Valley State University; Alex Denison, University of South Florida; Brenton Wiernik, University of South Florida; Michael Wolfe, Grand Valley State University

The association between Machiavellianism, work values and vocational interests was examined in two undergraduate samples from Michigan ( $N = 225$ ) and Florida ( $N = 450$ ). Machiavellianism views and tactics were associated with vocational interests as well as a decreased emphasis on social values and altruism.

### **39 Consequences of Employee and Supervisor (Mis)Matching Implicit Person Theories**

Mya Findley, Indiana University-Purdue University Indianapolis; Jane Williams, Indiana University - Purdue University Indianapolis

This study examined the interactional effects of supervisors' and employees' Implicit Person Theory on employees' attitudes towards performance management. Results revealed that the relationship between employee IPT and motivation is positive when supervisors have incremental mindsets, but the relationship for general affective reactions becomes negative when supervisors have entity mindsets.

### **40 The Effect Race has on Punishment in the Virtual Workplace**

Vyctoria Brooks, Northern Illinois University

Since Covid-19, there has been an influx of all types of people working from home. Prior research in this subject has yet to explore the implications this new environment can have on minorities. This study examined if the perception of infractions differed for Black men in this work environment.

### **41 Zoom Fatigue: Linking Neuroticism and Adjustment in Online Education**

Adam Green, Southern Illinois University Carbondale; Emma Schriener, Southern Illinois University Carbondale; Taylor Lee, Southern Illinois University Carbondale; Haley Martinez, Southern Illinois University

Carbondale; Ashley Harrison, Southern Illinois University Carbondale  
“Zoom Fatigue” refers to fatigue felt after online meetings. Some may be more prone to this phenomenon than others. Trait-neuroticism led to poor adjustment in online class environments through the mechanism of increased experience of zoom fatigue in college students. Implications for higher education and other settings are discussed.

#### **42 Entitlement and Self-Conscious Affect in American Voting Preferences**

Alexander Tatum, Ball State University; Teagan Wilson, Ball State University; Jessi Beaver, Ball State University; Tyler Niedermeyer, Ball State University; Danielle Miller, Ball State University

Personality traits are differentially associated with voting preferences in U.S. elections, although trait entitlement remains understudied in political psychology. The current research examined group differences in entitlement and the related constructs of blame, shame, and guilt with a representative voting sample from the 2020 presidential election.

#### **43 False personality feedback affects decision making task performance**

Piper Clark, The Ohio State University; Jarrett Rardon, The Ohio State University; Conor Wince, The Ohio State University; Melissa T Buelow, The Ohio State University; Amy Brunell, The Ohio State University Mansfield  
We examined the influence of false positive and negative personality feedback on cognition. False positive feedback about narcissism led to better and safer decision making strategies on the Game of Dice and Ultimatum but not Dictator game.

#### **44 Young Children's Temperamental Factors Predicting Parental Warmth and Control Behaviors**

Rachel Weisbecker, Southern Illinois University; Riley Marshall, Southern Illinois University Carbondale; Emily Pali, Southern Illinois University; Tori McNary, Southern Illinois University; Lisabeth F. DiLalla, Southern Illinois University, Carbondale

Using a nested within-family study design, we investigated children's temperament at age 4 as a predictor of parental warmth and control behaviors. Findings include child smiling/laughter positively predicting parent verbal warmth, and interaction between child sex and anger predicting parent discipline, suggesting that child temperament may elicit certain parenting behaviors.

#### **45 Is New Better?: Gaussian-Graphical Model Outperforms Latent-Variable Network of Big-Five**

George Bate, Rosalind Franklin University of Science and Medicine; Steven A. Miller, Rosalind Franklin University of Medicine and Science; Gregory Obert, Rosalind Franklin University Of Medicine and Science

Gaussian Graphical Models (GGMs) estimate personality indicator direct connections. Latent Variable Network Models (LVNMs) estimate direct connections between personality latent variables. We compared the GGM and LVNM structures for the Big-Five Factor Markers Measure in a large sample. The GGM fit well and better than the LVNM. Implications are discussed.

#### **46 Intellectualism's Relation to Need for Cognition and Problem-Solving**

Michael Wormley, College of Lake County; Matthew Rasmussen, College of Lake County

This study was intended to understand the relationship between intellectualism, need for cognition, and problem-solving. Using the Intellectualism-Anti-Intellectualism-Scale, the Need for Cognition Scale, and the Cognitive Reflection Test, this study found a strong relationship between intellectualism and need for cognition, and a weak relationship between intellectualism and problem-solving.

#### **47 World Assumptions: Influence of Empathy, Social Support, and Personality**

Tiffany Bainter, Western Illinois University; Melanie Hetzel-Riggin, Penn State Erie, the Behrend College

This study explored if empathy, personality, and social support were predictors of world assumptions. The results suggest that personality variables differentially influence beliefs in world assumptions. The results imply that empathy, social support, and personality may be areas of therapeutic work in survivors of trauma with shattered world assumptions.

#### **48 Two-dimensional Machiavellianism and Associations with Coping Strategies and Life Satisfaction**

Lily Kedzuch, Grand Valley State University; Todd Williams, Grand Valley State University; Michael Wolfe, Grand Valley State University

Machiavellianism views and tactics were correlated with measures of coping, locus of control and life satisfaction. Both tactics and views were associated with destructive coping strategies. Results further show that lower levels of life satisfaction were due to differences in locus of control and coping among those with Machiavellian views.

#### **49 Topics needing more attention in Premarital Counseling**

Leah Harley, Murray State University

Premarital counseling is a program designed to equip couples with strategies that can facilitate healthy marriages and relationships. 241 Ghanaian participants were asked open-ended questions regarding their experience with pre-marital counseling. Results showed that 14 various themes were identified as topics seen as insufficient or useful for the marriage.

#### **50 Exploring Self-Stigma, Personality, and Psychological Treatment Seeking of SGM Individuals**

Ugochinyere Onyeukwu, The University of Baltimore; John Donahue, The University of Baltimore

This research explores the relationship between maladaptive personality traits, attitudes, and beliefs towards treatment-seeking behaviors and self-stigma for the adult SGM population. Results replicate previous findings to self-stigma, FFM personality traits, and treatment-seeking behaviors while extending findings to the domain of maladaptive personality traits.

#### **51 The Effects of Parenting Style on Child Machiavellianism and Conscientiousness.**

Weston Phipps, Missouri State University; Brooklynn Cook, Missouri State University; Amber Massey-Abernathy, Missouri State University

The current study examines parenting styles and children's personality scores. The results suggest fathers who employ warm parenting styles showed significant effects on the development of children's personality traits. Moderation results showed an enhancing effect that as children's conscientiousness and warm fathers increased, children's Machiavellian personality scores decreased.

#### **52 Strengthening Mental Health Literacy in Graduate Health Science Students**

Margaret D. Kasimatis, Carroll University; Kerri L. Murphy, Carroll University; Kimberly B. Klug, Carroll University

We offered Mental Health First Aid certification to improve mental health literacy in PA, PT, and OT graduate students, assessing skills post-training and again after a clinical simulation. All students showed improved mental health literacy post-training, and the PA and OT students' skills were stronger post-simulation.

#### **53 A Simple Design for Signaled Operant Conditioning in Zebrafish**

Matthew Blankenship, Western Illinois University; Nichole Koch, Western



Illinois University; Hector Esparza, Western Illinois University; Isaiah Moorman; Rowan Badger

In order to perform behavioral pharmacology studies rapidly, it is useful to have a simple, robust learning paradigm. To this end, we have developed a signaled operant conditioning task for a common aquarium fish (*Danio rerio*; commonly Zebrafish).

#### **54 Influence of trigger warning use on student perceptions**

Karissa Jensen, University of Northern Iowa; Megan Bunyer, University of Northern Iowa; Helen C. Harton, University of Northern Iowa

Participants viewed a syllabus with or without a trigger warning from a male or female professor and rated the professor and class. Trigger warning presence did not affect ratings, but participants with more positive trigger warning attitudes rated the class and instructor more positively when a warning was used.

#### **55 Sequentially Structured Dissertation Model: Implications for Timely Student Completion**

Michelle Ackerman, Northcentral University; Bettina Shapira, Northcentral University; Joel Goodin

Results showed significant differences in time to completion for dissertation cohorts. Those experiencing a sequentially structured dissertation model (DSE) focused on quality of research, increased student/chair interaction and timely completion had significantly lower time to completion compared to other cohorts who experienced a traditional sequence or transition between the two.

#### **56 Scientific Self-Efficacy in Psychology Majors Engaging in Replication Research**

Mona Ibrahim, Concordia; Kiara Timmerman, Concordia College

In this study, we examined self-efficacy in a group of undergraduate research methods students who conducted novel research compared to another group who conducted replication research. Results indicated that most students who conducted replication research rated the experience highly, however these positive ratings did not correspond to higher self-efficacy scores.

#### **57 Do Courses on Diversity, Equity, and Inclusion Benefit Students' Awareness?**

Jordan Arellanes, Illinois State University; Alondra Faudoa, Illinois State University; Michael Hendricks, Illinois State University; Chang Su-Russell, Illinois State University; Suejung Han, Illinois State University

Degree requirements from the APA (2013 p.12) do not require coursework on diversity, equity, and inclusion (DEI). We investigate if students increase their social and moral awareness by participating in DEI courses. Results describe that DEI courses leads to greater participation in DEI discussions and awareness of fellow students' experiences.

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## **The Psychology of Intersecting Identities and Aging**

Thu 1:00PM - 2:50PM

Indiana

Moderator: T.L. Brink, Crafton Hills College

### **1:00 Recruitment and Retention of Deaf and Hard of Hearing Individuals with Intersecting Identities in Research**

Poorna Kushalnagar, Gallaudet University

As deaf and hard of hearing (DHH) investigators engaged in health disparity research with DHH people who use American Sign Language (ASL), our main goal is to share successes and challenges associated with recruiting and retaining DHH participants with intersecting identities in health research studies. We will share main findings specific to health and quality of life outcomes among deaf people who use ASL and present with intersecting identities. Workshop objectives: 1) To review the literature on health outcomes in the deaf and hard of hearing community, 2) To parallel DHH with marginalized cultures/identities as these relate to patient reported outcomes, 3) To share research challenges and suggestions for researchers to include DHH people with intersecting identities in their studies, and 4) To provide strategies for health professionals who work with DHH individuals.

### **1:30 Ageist Attitudes among Psychology Professionals and Students**

Masha Yakovleva, The Chicago School of Professional Psychology

Analysis of variables that may predict ageist attitudes toward older adults among psychologists and psychology graduate and undergraduate students in peer-reviewed studies. Variables explored include death and aging anxiety, knowledge of aging, interest, and experience or contact with older adults. Specific recommendations for training psychologists based on results outlined.

### **1:45 Gender and the Effects of Social Interactions on Retirement Satisfaction**

Mithra Pirooz, University of Nebraska at Omaha; Jonathan Santo, University of Nebraska Omaha; Andrew Burr; Sarah Etezadi, Concordia University, Montréal, Quebec, Canada; Dolores Pushkar, Concordia University, Montréal, Quebec, Canada

The current study examined gender differences in the relationships between different social interactions and retirement satisfaction. Our results illustrate that we have a better understanding of what predicts retirement satisfaction among men than women.

### **2:00 Spotting bad apples: Older adults' sensitivity to harmful intentions**

Jason Snyder, DePaul University; Alyssa Minton, DePaul University; Nathan Young, DePaul University; Verena P Graupmann, DePaul University; Joseph Mikels, DePaul University

Across two studies, we found age differences in judgments of a perpetrator when there was a desire to inflict harm versus when harm occurred accidentally. For older relative to younger adults, desire to harm was associated with harsher judgment of moral character which predicted greater disgust toward the perpetrator.

## **Social Norms**

Thu 1:00PM - 2:50PM

Chicago

Moderator: Sarah K. Murnen, Kenyon College

### **1:00 Groups, Norms, and Open-minded Cognition**

Scott Tindale, Loyola University Chicago; Jeremy Winget, Loyola University Chicago; Kelsey Berryman, Loyola University Chicago; Salma Moaz, Loyola University Chicago; Victor C. Ottati, Loyola University Chicago

Open-minded cognition involves a thorough and unbiased attempt at processing information about a particular issue. A series of studies will be presented showing how group contexts and norms can influence the degree to which people process information open-mindedly.

### **1:30 If and When Black-White Biracials Can Use the “N-Word”**

Sheba Aikawa, University of Colorado Boulder; Daryl Wout, John Jay College, CUNY; Katlyn Milless, The Graduate Center, CUNY

Most Black Americans believe it's inappropriate for non-Black people to use the “n-word”. Unlike Black and White people, the racial status of Biracial

people is less clear. This research explored whether Biracial people are afforded the privilege of using the “n-word”.

### **1:45 Stealing Thunder - The Influence of Confession Specificity and Issue Intensity**

Andrew Nguyen, Mississippi University For Women

Stealing thunder is a tactic where one pre-emptively confesses to mitigate potential damage upon discovery. However, sparse research has been done on its underlying mechanisms. Results from the present study suggest that a number of mechanisms drive the effect with varying efficacy depending on the factor and type of judgment.

### **2:00 Relationship Between Social Media Use, Body-checking, and Eating Disorders**

Gisele Casanova, Purdue University Northwest; Miranda Sims, Purdue University Northwest

Relationships between social media use, body checking behavior, and awareness of engaging in disordered eating patterns were analyzed with 132 females, aged 18-25. No increase in body checking was found, but subjects were not in denial of their eating behavior, possibly due to the impact of the body positive movement.

### **2:15 The Role of Authority in Gendered Injunctive Norm Adherence**

Samantha Heiman, Indiana University-Bloomington; Julie Eyink, University of Southern Indiana; Edward Hirt, Indiana University-Bloomington

Past studies (unpublished data) indicated gender differences in injunctive vs. descriptive norm adherence. To separate these results from gender differences in compliance to authority, the current study replicates this paradigm with a peer referent group wherein both norms come from the same source.

### **2:30 Tactical Blinking in Magicians**

Anthony Barnhart, Carthage College; Kaitlyn Richardson, Carthage College; Shawn Eric, Ideal Entertainment

Anecdotal accounts describe how stage magicians engage in self-deception when rehearsing before a mirror by blinking their eyes to blind themselves to evidence of ineffective sleight-of-hand. We attempted to elicit this behavior in the laboratory and identify variables that impact a performer's tendency to engage in it.

## **Group Threat**

Thu 1:00PM - 2:50PM

Salon 06/07

Moderator: Joan R. Poulsen, Indiana Purdue University at Columbus

### **1:00 The racists we know vs. those we don't**

Hope Rose, University of Missouri; Christopher Sanders, University of Missouri, Columbia; Chloe Willett, University of Missouri; Laura King, University of Missouri, Columbia

How do white people understand racists and racism? White Americans ( $N=5144$ ) rated racists on a number of characteristics (e.g., personality traits, well-being, education, and morality). Participants rated racists as ignorant and insecure. Those who personally know a racist gave racists more positive ratings on moral and evaluative traits.

### **1:15 The Development and Psychometric Evaluation of the Objectification Perpetration Scale**

Abigail Riemer, Carroll University; Gemma Sáez, University of Granada; Sarah Gervais, University of Nebraska-Lincoln; Rebecca Brock, University of Nebraska-Lincoln

The present research provides a new tool to assess men's objectification of women through their behaviors, cognitions, and beliefs. This work suggests that men perpetrate sex-based or appearance-based objectification, each of which have distinct connections to sexual violence perpetration and misogynistic attitudes.

### **1:30 Do Demographic Increases in LGBT and Nonreligious Americans Increase Threat?**

Cameron Mackey, Ohio University; Kimberly Rios, Ohio University

The following research examined whether demographic increases of groups associated with symbolic threat (LGBT and nonreligious groups) increased realistic threat, symbolic threat, and/or prejudice across three studies. Results indicate that increases in LGBT Americans elicit more realistic and symbolic threat than nonreligious Americans. Implications of these findings are discussed.

### **1:45 Perceived Advantages and Disadvantages of Other-Gender Individuals: 25 Years Later**

Claire Etaugh, Bradley University; Teresa Barden, Bradley University; Emie Choquette, Bradley University; Sarah Cismesia, Bradley University; Hannah Fauser-Hoyt, Bradley University; Elsa Luchsinger, Bradley University;

Caitlyn Machetta, Bradley University

107 adults ages 18-87 (60 females) listed advantages and disadvantages of being the other gender. Across ages, females were perceived to have more disadvantages and fewer advantages than males. Compared to 25 years ago, today's young women saw males as more advantaged, whereas young men viewed women as less disadvantaged.

### **2:00 Evaluating the Effects of an Online Ally Training Program**

Beatrice Gaurean, Illinois Institute of Technology; Lindsay Sheehan, Illinois Institute of Technology; Jacob Moore, NoStigmas

The study evaluated the efficacy of the NoStigmas Ally Program. The online training helped increase peer support, help-seeking intentions, and self-esteem while reducing internalized stigma and stigma stress in a sample of 26 participants. Significant findings comparing pre- and post- training results support the preliminary efficacy of the program.

### **2:15 Biased Beliefs About Prisoners' Sensitivity to Social Pain**

Samantha Pejic, Ryerson University; Jason Deska, Ryerson University

Does prisoner status bias social pain judgments? We present data from four studies ( $N = 595$ ) demonstrating that people perceive prisoners to be less sensitive to social pain than non-prisoners. This bias is driven by perceptions of prisoners as tougher than non-prisoners, and predicts people's willingness to discriminate against prisoners.

### **2:30 Attitudes Toward Police Effect on Nervous Behavior**

Kara Harris, Depaul University; Andrea Bellovary, DePaul University; Christine Reyna, DePaul University

Nervous behavior from Black people can be seen as suspicious to police. The current study examines how participants' race affects behavior around police, when accounting for attitudes towards police. Results suggest race plays a significant role in nervous behavior around police. However, this effect is fully mediated by negative attitudes.

## **Romantic Relationships**

Thu 1:00PM - 2:50PM

Salon 05/08

Moderator: Destaney Sauls, Oakland University

### **1:00 Experiencing Dissonance: The Discordance between First Kiss Expectations and Outcomes**

Mariah Ravet, University of Minnesota-Duluth; Gavrielle Gunther, University of Minnesota Duluth; Victoria Quevedo, University of Minnesota Duluth; Ashley Thompson, University of Minnesota Duluth  
This research assessed the role of cognitive dissonance in the tendency to rationalize/trivialize first kiss experiences and whether dissonance could be induced in individuals led to believe that their first kiss experience fell below average. Although those with unmet kissing expectations rationalized/trivialized the most, the dissonance manipulation was ineffective.

### **1:15 Implicit Theories of Romantic Attachment and Relationship Satisfaction**

Brieanna Muzzy, University of Minnesota Duluth; Hannah Pannell, University of Minnesota Duluth; Megan Stiffler, University of Minnesota Duluth; Ashley Thompson, University of Minnesota Duluth  
This study assessed individuals' lay beliefs regarding the malleability of romantic attachment (RA) and the impact these beliefs have on relationship satisfaction. Results revealed that individuals endorsing incremental romantic attachment beliefs to a greater extent reported higher relationship satisfaction than did those endorsing incremental beliefs to a lesser extent.

### **1:30 Associations between Romantic Satisfaction and Dating Abuse among Dating Couples**

Ishita Munshi, Cleveland State University; Halle Letizio, Cleveland State University; Liz Goncy, Cleveland State University  
This present study illustrates how romantic satisfaction relates to one's own and one's partners' dating abuse (DA) using couple-level data. For both victimization and perpetration, both male and female DA are associated with lower female relationship satisfaction, whereas only male DA is associated with lower male relationship satisfaction.

### **1:45 Why Say I Do?: Predicting U.S. Adults' Motives for Marriage**

Hannah Pannell, University of Minnesota Duluth; Ashley Thompson, University of Minnesota Duluth; Brieanna Muzzy, University of Minnesota Duluth  
Using the recently developed and validated Motives for Marriage Scale, the current study explored the variables predicting U.S. adults' motives for marriage. The results from 752 unmarried adults revealed that gender, sexual identity, age, and previous marital status all had a significant impact on marital motives.

## **2:00 National Lockdown Experiences of Married Couples Due to Covid 19**

Bakadzi Moeti, University of Botswana

Among the many areas that were affected by covid 19 national lockdown is the union of marriage. The current study sought to explore national lockdown experiences of married couples due to Covid 19 in Botswana. Twelve married couples took part in the study.

### **Emotion**

Thu 1:00PM - 2:50PM

Salon 03

Moderator: Randy J. McCarthy, Northern Illinois University

## **1:00 What Do We Really Know about How Awe Impacts Self?**

Kimberly Quinn, DePaul University

Awe is believed to promote self-diminishment. However, in an ongoing review, we find theoretical and methodological reasons to question the robustness of the effect. Motivated by discussions of the theory and measurement “crises,” we are clarifying the conceptual and operational definitions of these constructs to shed light on the relationship.

## **1:30 Self-transcendent experiences prevent boredom: The buffering role of meaning**

Muireann Kate O'Dea, University of Limerick; Eric Raymond Igou, University of Limerick; Wijnand Van Tilburg, University of Essex; Elaine Kinsella, University of Limerick

Boredom is an unpleasant emotion characterised by a perceived lack of meaning in life, meanwhile self-compassion and self-affirmation bolster perceptions of meaning. We found evidence to suggest that both self-compassion and an inclination to self-affirm predict less boredom through greater meaning in life.

## **1:45 The Psychological Benefits of Television Immersion**

Katharine Jones, Blackburn College; Trisha Prunty, Blackburn College

The current study investigated the impact of immersion in one of two genres (i.e., drama and comedy) and the degree to which individuals reported beneficial impacts on mental health. Comedy was more psychologically beneficial for viewers, but viewers identified more with drama characters. Comedy may help psychologically by offering escape.



## **2:00 Disillusionment Breeds Paranoia and Beliefs in Conspiracy Theories**

Eric Raymond Igou, University of Limerick; Paul Maher, University of Limerick; Wijnand Van Tilburg, University of Essex; Kelly Hodgins, University of Limerick; Melissa Kelly

We tested the relationships between both state and trait disillusionment and two forms of suspiciousness: paranoid ideation and conspiracist ideation. Two experimental and correlational studies confirm that disillusionment predicts both paranoid and conspiracist ideations, with paranoid ideation explaining the association between disillusionment and conspiracist ideation.

## **2:15 Anticipating freedom: affective forecasting strategies during impactful societal events**

Paul Maher, University of Limerick; Eric Raymond Igou, University of Limerick; Wijnand Van Tilburg, University of Essex

We investigated the affective forecasting strategies people used during the COVID-19 lockdown in the UK and the run-up to the 2020 US Presidential Election. Our results suggest that future positive forecasts allow people to cope with stressful societal events, and that group identification plays an important role in self/other biases.

## **2:30 Inducing Hopeful Feelings and Examining Their Cognitive and Social Effects**

Megan Edwards, University of Missouri, Columbia; Laura King, University of Missouri, Columbia

Research has neglected the affective side of hope, focusing instead on its motivational components. Nine studies showed infants (vs. adults) effectively induce hopeful feelings. Further, we predict that hopeful feelings increase global focus and prosocial behaviors beyond general positive affect. Hopeful feelings may illuminate the role of hope in adaptation.

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**Invited Workshops**

**An introduction to systems factorial technology and its application**

Ru Zhang  
Boys Town National Research Hospital

Thu. 1:00PM – 2:50PM

Salon 04/09

System factorial technology (SFT) diagnoses if the mental processes are arranged in the parallel minimum, parallel maximum, or serial manner through inspecting the sign of interaction contrast of response time distributions. This workshop will introduce the mathematical theories of SFT. The application of this technique will also be discussed.

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**Improving College and Career Transition Services for Youth with ASD**

Thu 3:00PM - 4:00PM

Marshfield

**3:00 Improving College and Career Transition Services for Youth with ASD**

Leigh Ann Fisler, Western Illinois University

For students with ASD and higher developmental skills, the transition to adulthood can be a pivotal period of change but is often compared to "falling off a cliff" when entering postsecondary or employment settings.

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**Symposium**

**Remembering Mark Alicke: A Celebration of His Research and Mentorship**

Thu 3:00PM - 4:50PM

Salon 05/08

Organizer: Kimberly Rios, Ohio University

Dr. Mark Alicke (1955-2020), Professor of Psychology at Ohio University, has had an indelible influence on the field since his establishment of the Better-Than-Average Effect nearly 40 years ago. He received the 2019 Distinguished Lifetime Career Award from the International Society for Self and Identity, and his work on self-enhancement and social comparison continues to inspire social psychologists. This symposium will feature four of Dr. Alicke's former mentees and collaborators, who will discuss both their research and how Dr. Alicke has shaped their careers. The first two presenters introduce new theoretical perspectives by showing that people report greater authenticity when able to self-enhance versus when objectively self-aware (Guenther) and by examining the ways people self-enhance even when they recognize their worst faults (Preuss). The final two presenters apply self-enhancement to unique domains: Roth will discuss how White Americans' perceptions of others' racism are biased by self-enhancement motives, and

Rios will discuss how academic researchers see themselves as more intellectually humble than average.

**Self-Enhancement and Authenticity**

Corey Guenther, Creighton University, Yiyue Zhang, Ohio University, Constantine Sedikides, University of Southampton

**Is Self-Enhancement Precluded When People Recognize Their Shortcomings?**

Gregory S. Preuss, North Carolina Wesleyan College; Mark Alicke, Ohio University

**Self-Enhancement Motives May Drive Perceptions of Racism in Others**

Zachary C. Roth, Ohio University, Kimberly Rios, Ohio University, Mark D. Alicke, Ohio University

**Intellectual Humility: An Ironic Manifestation of the Better-Than-Average Effect**

Kimberly Rios, Ohio University, Joseph Langston, Ohio University, Zachary C. Roth, Ohio University



**Symposium**

**Psychological and Neural Predictors of Problematic Digital Technology Use**

Thu 3:00PM - 4:50PM

Salon 04/09

Organizer: Robert West, DePauw University

Discussant: Craig Anderson, Iowa State University

The use of digital and electronic media (Internet, gaming, social media) has been associated with a number of negative outcomes related to mental health and well-being (e.g., increased depression, anxiety, impulsivity). In the symposium we will explore recent developments related to problematic technology use (i.e., Internet gaming and smartphone use) including the potential impact of the global pandemic. Novel findings reveal that problematic use of Internet gaming may be accentuated during the pandemic;

that fast paced media are related to attention problems associated with ADD; that problematic gaming interacts with emotion regulation strategies; and problematic smartphone use is related to the disruption of positive, but not negative, reward prediction errors.

**Internet Gaming Disorder, Depression and Anxiety Related to the Pandemic**

K. Bailey, Ohio Wesleyan University

**Media Exposure: Associations with ADHD, Self-Control, and Impulsivity**

N. Hayes, Iowa State University

**Internet Gaming Disorder and Emotion Regulation**

E-L, Kim, Iowa State University

**Problematic Smartphone Use and Positive Reward Prediction Errors**

R. West, DePauw University



**Learning and Memory**

Thu 3:00PM - 4:50PM

Salon 12

Moderator: Chris Was, Kent State University

**3:00 Intersensory interference: Disrupted encoding or response competition?**

Chris Robinson, The Ohio State University

Most life experiences engage both visual and auditory senses, which sometimes results in intersensory interference. In this talk, I will present a series of studies that examine whether these effects occur because encoding is disrupted (early processing) or because competing modalities are slowing the decision/response (late processing).

**3:30 Discipline-specific reading strategies predict psychology-textbook learning beyond general strategie**

Karyn Higgs, Northern Illinois University; Taneisha Vilma; Darnisha Crockett, Northern Illinois University; Amanda Durik, Northern Illinois University; M. Anne Britt, Northern Illinois University

We investigated the role of discipline-specific task models in comprehension using reported use of discipline-specific and general strategies as a task model indicator. Students' reported use of discipline-specific reading strategies uniquely predicted performance on a multiple-choice comprehension test after accounting for variability in general reading strategies.

### **3:45 How Do Students Regulate Use of Multiple Choice Practice Tests?**

Sabrina Badali, Kent State University; Katherine Rawson, Kent State University; John Dunlosky, Kent State University

Multiple choice questions are present in students' everyday academic lives, but how do students regulate their use of multiple-choice practice testing? Students' self-regulated learning choices were compared when using multiple-choice versus cued-recall practice questions and final performance was compared to a criterion group to assess the effectiveness of participants' choices.

### **4:00 How does Prior Knowledge Influence Monitoring Accuracy**

Amber Witherby, Iowa State University; Shana K. Carpenter, Iowa State University

Prior knowledge is positively related to students' learning and judgments of learning. In two experiments, we evaluated the relationship between prior knowledge and students' monitoring accuracy. Prior knowledge was negatively related to monitoring accuracy. Thus, the more prior knowledge students had, the worse they were at predicting later memory performance.

## **New Approaches in the Workplace and Classroom**

Thu 3:00PM - 4:50PM

Salon 01

Moderator: Dustin Shepler, Michigan School of Psychology

### **3:00 Machine Learning Enhances the Prediction of Career Choices**

Q Chelsea Song, Purdue University; Hyun Joo Shin, Johns Hopkins University; Chen Tang, University of Illinois at Urbana-Champaign; Alexis Hanna, University of Nevada at Reno; Tara Behrend, Purdue University

The current study aims to enhance the accuracy of interest inventory-based career choice prediction using machine learning. Results based on 70,548 participants suggest that, compared to the typical interest profile method, the machine-learning augmented method improved the accuracy of interest inventories in predicting both occupational membership and vocational aspirations. These findings have implications for career development and job placement, and a potential to improve diversity in career orientations.

### **3:30 Are We Ready for the Singularity? Predictors of AI Acceptance**

Melissa Henry, Southern Illinois University Edwardsville; James Woodcock, Southern Illinois University Edwardsville; Tyler Gorbett, Southern Illinois University Edwardsville; Kelly Cruise, Southern Illinois University Edwardsville; Joel Nadler, Southern Illinois University Edwardsville Working Adults ( $N=204$ ) completed measures of their acceptance of artificial intelligence (AI) at the micro and macro level and at the personal and impersonal level. Various personality and demographic variables were then used to examine potential predictors of accepting AI over humans.

### **3:45 Computer Science Faculty's Work/Family Responsibilities and Attitudes During COVID-19**

Katie Lawson, Ball State University; Mary Jon Barrineau; Chloe Woodling, Ball State University; Sydney Ruggles, Ball State University; David Largent, Ball State University

This study examined changes in work and family responsibilities and attitudes toward work among computer science faculty during the COVID-19 pandemic. Results indicated that mothers of elementary-aged children experienced the most drastic changes, reporting significantly larger increases in childcare responsibilities and feeling overwhelmed by work and family.

### **4:00 Personality and Exam Overconfidence**

Kristian Veit, Olivet Nazarene University; John Adams, Olivet Nazarene University; Lindsay Alcock, Olivet Nazarene University

The focus of this study is personality and exam overconfidence. Results suggest that personality and motivation may contribute somewhat to exam overconfidence. Agreeableness, preference for consistency, and self-esteem may be used to predict exam overconfidence, but this may also depend on which exam in a course is being taken.

### **4:15 Exam Overconfidence and Exam Performance Over Time**

Kristian Veit, Olivet Nazarene University; John Adams, Olivet Nazarene University

This study assesses whether exam overconfidence changes over time. We also examine the relationship between overconfidence and exam performance. Results suggest that exam overconfidence may decrease somewhat over time. In addition, overconfident students tend score lower on exams than students who underpredict their scores.

### **4:30 How Avoidant Are Math Anxious Students?**

Todd Allen, University of Northern Colorado; Molly Jameson

A role for avoidance has been implicated in math anxiety (MA), but the exact relationship between MA and avoidance remains unclear. In a study of undergraduates, MA had moderate positive relationships with behavioral inhibition, harm avoidance, and experiential avoidance. The relationship of MA with experiential avoidance will be further explored.

### **Family Relations**

Thu 3:00PM - 4:50PM

Indiana

Moderator: Nicole Campione-Barr, University of Missouri

#### **3:00 Risk Taking in Teens: Single Parent Household or Parenting Styles**

Emily Moran, Blackburn College; Trisha Prunty, Blackburn College  
Risk-taking behavior between respondents from dual- and single-parent homes were compared. Single-parent homes may create specific risk-taking behavior but does not necessarily increase risk across the board. Dual-parent homes were more likely to employ authoritarian parenting techniques, which may reduce engagement in risky behaviors.

#### **3:15 Lived Experiences of South Asian Parents who have Children with Autism Spectrum Disorder in the USA.**

Khyati Patel, The Chicago School of Professional Psychology  
Due to the pervasiveness of cultural implications and its impact on the future South Asian generation in the USA, there is an urgent need to understand the needs, culture, and experiences of the South Asian parents who have children diagnosed with ASD.

#### **3:30 The Propensity to Experience Negative Events on Peak Negative Affect**

Emma Church, Cleveland State University; Caitlin Tytler, Cleveland State University; Ilya Yaroslavsky, Cleveland State University  
Via Electronically Activated Recording (EAR), a robust naturalistic sampling methodology, moderating effects of adolescent's perception of their caregivers' parenting practices on the relationship between home environment's affective tone and youths' affective states were investigated. Negative-valenced environmental contexts and poor parental supervision independently predicted youths' distress. Clinical implications will be discussed.

#### **3:45 Parents' Work Status and Psychological Well-Being in the Pandemic**



Ting Shen, Missouri University of Science and Technology

This study examines the associations between parents' work status and their psychological well-being using a large-scale COVID survey data in the UK. Findings show that furlough status and work at home are associated positively with enjoyment and happiness, but economically disadvantaged individuals reported less enjoyment and happiness during the pandemic.

#### **4:00 Development and Validation of the Intergenerational Contact Scale (IGCS)**

Ben Denking, Augsburg University; Henry H Yoon, Augsburg College

To better understand the influence of cross-generational contact on thinking and behavior, we developed and validated a standardized measure of contact between age groups (18-30 and 60+) called the Intergenerational Contact Scale (IGCS). We will present an application of this scale in research on the own-age bias of face recognition.

### **Racism**

Thu 3:00PM - 4:50PM

Chicago

Moderator: Dustin Nadler, Maryville University

#### **3:00 On the Defense: Whites' Defensive Reactions to Conversations about Racism Prevent Effective Intergroup Dialogue**

Christopher Marshburn, University of Kentucky

I will discuss the interpersonal consequences of White peoples' defensive orientations when racism is broached among friends/colleagues. My findings suggest White people's reactions to such conversations are a consistent barrier to intergroup dialogue, and Black people might avoid White people because they are perceived to be unwilling/unable to understand racism.

#### **3:30 Conservative Ideology and Race/Ethnic Bias in a Modern World**

Cynthia Willis Equeda, University of Nebraska, Lincoln; Gabriel Zita, University of Nebraska - Lincoln; Daniel Nguyen, University of Nebraska-Lincoln

The study was designed to examine how blind patriotism (BP) predicts modern ethnic bias (MEB), with mediation from conservatism scales. BP predicted all measures. With a multiple mediation model, BP had direct effects on MEB, with indirect effects from essentialism only. BP may be a causal ideology for modern extremism.

### **3:45 The effects of intrafamilial racism on biracial identity conflict**

Lauren Tan, Loyola University Chicago

This study will describe the relation between intrafamilial racism, parental receptivity, and identity conflict in biracial individuals. It is expected that higher levels of intrafamilial racism will correlate with higher levels of identity conflict. Parental receptivity is expected to buffer impacts of intrafamilial racism on identity conflict.

### **4:00 Racial bias in perceptions of children's pain**

Kevin Summers, University of Denver; Shane Pitts, Birmingham-Southern College; E. Paige Lloyd, University of Denver

Across three studies, we found that Black children were stereotyped as less sensitive to pain than White children following the same injuries. This race-based pain sensitivity effect extended to male and female children, was mediated by perceptions of life-hardship, and may have consequences for disparate hypothetical pain treatment decisions.

## **Addiction and Substance Use**

Thu 3:00PM – 5:00PM

Salon 10

Moderator: Lyuba Bobova, Adler University

### **3:00 Contextual control of conditioned pain tolerance and endogenous analgesic systems: Evidence for sex-based differences in opioid engagement**

Sydney Trask, Purdue University

Chronic pain may involve the persistence or strengthening of pain memories acquired in part through contextual learning. In a series of experiments using mild visceral pain in mice, we found evidence of a context-specific conditional pain tolerance mediated by endogenous opioid signaling in a sex-dependent manner. These experiments show that endogenous opioid systems are engaged as a context-dependent conditioned compensatory response for painful stimuli.

### **3:30 Substance use moderates incarceration history effects on depression**

Brian Brooks, Cleveland State University; Kelsie Fellows, George Mason University - Antonin Scalia Law School; Ilya Yaroslavsky, Cleveland State University

We examined the relationships between incarceration history parameters and depression severity among formerly incarcerated persons; moderating effects of substance abuse were also examined. Incarceration histories predicted

depression, and substance abuse problems appeared to buffer adverse incarceration history effects on depression. Public health implications will be discussed.

### **3:45 Patterns of adolescents' evening alcohol and cannabis use and co-use**

Laura Finan, Illinois State University; Sharon Lipperman-Kreda, Prevention Research Center

We used event-level data to investigate within-person patterns of adolescents' alcohol and cannabis use and co-use over time during the evening hours. Results from structural equation models revealed three use patterns: single substance use maintenance, transitions from single substance use to co-use, and transitions from co-use to single substance use.

### **4:15 Cognitive and Social Expectancies / Demands, Employment, and Marijuana Use**

Michael Baumann, The University of Texas at San Antonio; Cameron McCann, The University of Texas; Ian Copeland, The University of Texas at San Antonio

Marijuana use is increasing, making understanding use increasingly important. Informed by the expanded self-medication hypothesis, we tested the associations of marijuana use to cognitive and social expectancies, cognitive and social demands, and factors amplifying or mitigating demands. Generally, use was associated with expectancies and demands, but not other factors.

### **4:30 Socio-cultural Factors and Substance Use Risk Among Black Youth and Young Adults**

Tamika Zapolski, IUPUI

Current substance use risk models have inadequately predicted use for Black young people, which generally exclude culturally relevant factors for this population. Data will be presented on studies conducted within the PRISM (Prevention Research in Substance Use and Minority Health) lab aimed at understanding the intersection of individual, interpersonal, societal, and cultural factors on substance use among Black young people.

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**Mentors Toolkit: Resources for Leaky Pipeline impacting Female Faculty Color**

Thu 3:00PM - 4:45PM

Kimball

**3:00 Mentors Toolkit: Resources for Leaky Pipeline impacting Female Faculty Color**

Crystal L. Harris, Governors State University; Rieko Miyakuni, Winona State University; Xuan Stevens, PhD, ABPP, Ultimate Thinking Psychological Consultants, PA/Standing in the Gap Community Development Corporation  
Female faculty of color encounter ‘chilly’ environments within academia despite initiatives promoting equity. Session establishes a safe environment to discuss experiences, strategies and to support mentors in reflecting on climate, harmful behaviors and conditions, and dialogues about power/privilege/race/gender/class. Session ends focusing on allyship, climate monitoring and the growth mindset.

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**Identity Development as Relates to the Road to Recovery**

Thu 3:00PM - 4:45PM

Madison

**3:00 Identity Development as Relates to the Road to Recovery**

Courtney Kibble, Governors State University

All too often, individuals new to recovery from substance abuse or another life-altering concern are missing that which makes them whole and happy for day-to-day functioning. We ask our clients to stop something that made their life unmanageable, so we owe it to them to recreate something meaningful.

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**Using a Developmentally-Informed Team-Based Solution for Teaching Writing**

Thu 3:00PM - 4:45PM

Logan

**3:00 Using a Developmentally-Informed Team-Based Solution for Teaching Writing**

Jennifer Quinn, Miami University; L. James Smart, Miami University; Carrie Hall, Miami University

This session will highlight challenges encountered while teaching disciplinary writing within Psychology and advocate for the use of a student team-based approach in addressing these challenges. A combination of brief presentations, small group activities, and large group discussions will be used to promote high level engagement and interaction between participants.

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**Revising Syllabi and Policies with Belonging and Growth in Mind**

Thu 3:00PM - 4:50PM

Salon 03

**3:00 Revising Syllabi and Policies with Belonging and Growth in Mind**

Kathryn Boucher, University of Indianapolis; Christine Logel, University of Waterloo; Mary C. Murphy, Indiana University; Krysti Ryan, College Transition Collaborative, Stanford University

We will focus upon syllabi revision and course policy reviews with belonging and growth mindset foci. Attendees will be introduced to evidence-based, field-tested resources for early communications and have the opportunity to try them out (with their own syllabi) and explore how to apply these strategies in their own courses.

## **Cognitive: Poster Session**

Thu 3:00PM - 4:50PM

Upper Exhibit Hall

### **1 Attention bias modification increases attention to images of climate change**

Madeline Voltz, Northern Michigan University; Sydney Reif; Lisa Gentry, Northern Michigan University; Lucas Burrows; John Foley, Northern Michigan University; Lin Fang; Joshua Carlson, Northern Michigan University

Previous research suggests the capture of attention by climate change relevant images is linked to pro-environmental disposition. We found that attention bias modification increases the allocation of attentional resources towards climate change relevant images. Increased attention to climate change may lead to increased awareness of the problem and potential solutions.

### **2 Exemplar Sequence Effects in Unsupervised Categorization of Exclusive-Or Relations**

Charles Doan, Marietta College; Tyler Warner, Marietta College; Makenzie Vandenberg, Marietta College

Supervised categorization studies suggest manipulating exemplar sequences facilitates or hinders performance. We assessed sequence effects in an unsupervised categorization task on exclusive-or sorting and their relation to eye movement patterns. Consistent with supervised studies, we found similarity-based sequences facilitate exclusive-or performance and we connect the results with obtained eye-tracking metrics.

### **3 Academic Readiness is Differentially Associated with Lab versus Questionnaire Self-Regulation**

Amanda Joyce, Murray State University

Children's self-regulation importantly relates to their academic readiness. However, parent and assessor reports are more reliable predictors of this readiness than are children's laboratory task-based performance. This implies that those interested in children's academic readiness should use a wide range of assessments, favoring parent and assessor reports when resources are

### **4 The Relation of Parent-Child Synchrony to Child Cognitive Outcomes**

Haley Laughlin, University of Iowa; Eden Conroy, University of Iowa; Maggie Landherr, University of Iowa; Ece Demir-Lira, University of Iowa  
Mutual responsiveness orientation (MRO) was used to code parent-child

interactions to investigate the relation of parent-child synchrony to cognitive outcomes. For the WPPSI-IV subtest assessing concept formation, MRO served as a buffer for children in households with lower parent education—suggesting synchrony may be related to cognitive outcomes for at-risk children.

### **5 The Impact of Feedback on Self-efficacy and Memory Performance**

Andrea Frankenstein, University of Illinois at Chicago; Allison Sklenar, University of Illinois at Chicago; Pauline Urban Levy, University of Illinois at Chicago; Eric Leshikar, University of Illinois at Chicago

We examined the extent feedback affected self-efficacy and memory using retrieval practice procedures. Positive and neutral feedback increased self-efficacy, whereas negative feedback temporarily decreased self-efficacy. Memory was marginally worse for the negative group compared to the other two groups. This work demonstrates an intriguing relationship between self-efficacy, feedback, and memory.

### **6 Automating Creativity Assessment of Short Narratives with Semantic Diversity**

Dan R. Johnson, Washington & Lee University; Grace Sullivan, Washington and Lee University

An algorithmic-based metric of semantic diversity captured a writer's ability to connect divergent concepts and showed a very strong correlation with human ratings of creativity in short stories. This could be used as an educational tool in the classroom.

### **7 Effectiveness of Drawing on Detecting Inconsistencies and Memory for Explanations**

Kathryn Rupp, Northern Illinois University; Alyssa Baum, Northern Illinois University; Karyn Higgs, Northern Illinois University; Brent R Steffens, Northern Illinois University; Keith Millis, Northern Illinois University; M. Anne Britt, Northern Illinois University

We tested whether drawing improves the detection of inconsistencies and memory for scientific explanations. Depictive drawing helps the final representation differentially depending on consistency: memory for the correct mechanism in manipulated sentences when consistent and memory for the correct outcome in target sentences when inconsistent. It does not help detection.

### **8 Correcting Mistaken News Stories: The Role of Evidence Quantity**

Jaruda Ithisuphalap, Kent State University; Blair Braun, Kent State

University; Patrick Rich, Connecticut College; Maria Zaragoza, Kent State University

News reports sometimes contain mistaken information that is later corrected. In the present study we manipulated the amount of evidence consistent with a mistaken cause. The results suggest that the efficacy of a correction will likely depend on the amount of evidence supporting the mistaken cause.

## **9 Truthiness and COVID-19**

Mario Baldassari, University of Saint Francis; Tanjeem Azad, Quest University; Robert Michael, University of Louisiana at Lafayette; Tyson Agnew, University of Saint Francis; Tyra Grischke, University of Saint Francis; Mary Horine, University of Saint Francis; Michael Laux, University of Saint Francis; Dahirom Omar, University of Saint Francis; Joshua Pedretti, University of Saint Francis; Veronica Servin, University of Saint Francis; Tia Welty, University of Saint Francis; Joshua Young, University of Saint Francis; Montana Zent, University of Saint Francis; Amy Rowland, University of Saint Francis

Presentation of a non-probative photograph causes people to become more likely to endorse claims as true (Newman et al., 2012; Newman et al., 2016). We tested 40 true-or-false statements about COVID-19 alongside political leanings and decision-making styles to investigate the presence of truthiness in this new and controversial domain.

## **10 Information about Past Beliefs Influences Current Beliefs**

Liam Hart, Grand Valley State University; Greg Russell, Central Michigan University; Michael Wolfe, Grand Valley State University; Todd Williams, Grand Valley State University

Participants read a gun-control text consistent or inconsistent with beliefs reported weeks earlier. They then verified initial beliefs that were accurate, opposite of actual initial beliefs, or did not verify them (control). Verifying accurate initial beliefs changed current beliefs compared to verifying false initial beliefs or not verifying them.

## **11 Explicit Instruction of Executive Functions Skills in 9th Grade Students**

Shaalein Lopez, Governors State University; Dan Koonce, Governors State University

Explicit instruction of executive functions (EFs) skills is explored through a study of ninth-grade student perceptions of EFs prior to, upon completion, and three months following a 9-week EFs intervention. The intervention



yielded significant improvement of students' perceptions of their ability to plan/organize, suggesting support of explicit instruction of EFs.

### **12 Testing the Independence of Chunk Decomposition and Constraint Relaxation**

Taylor Strickland, University of Illinois at Chicago; Stellan Ohlsson, University of Illinois at Chicago; Jennifer Wiley, University of Illinois at Chicago

Representational Change Theory proposes that two processes underlie insight problem solving: constraint relaxation and chunk decomposition (Knoblich et al., 1999). To test if they are independent, a manipulation was used to cue these processes. Cueing CD improved performance on CD problems but there was no improvement from cueing CR.

### **13 Risk-Taking and Executive Functioning within Gender Groups**

John Rossing, Roosevelt University; Tianna Vozar, Roosevelt University; Max Obolsky, Roosevelt University; Jessica Paxton, Roosevelt University

The aim of this study was to investigate the relationship between executive functioning and risk-taking propensity separately for males and females. Regression analyses revealed that age covaried with three executive functioning tasks predicts risk-taking propensity, risk perception, and expected risk benefit for males and females.

### **14 The Impact of COVID-19 on Cognitive Functioning in Undergraduate Students**

Kearnin Van Bortel, Marquette University; Mary Simons, Marquette University; James Hoelzle, Marquette University; Mary Tait, Marquette University; Pam Hernandez; Halle Hetrick, Marquette University

This study looked at how the COVID-19 pandemic impacted cognitive functioning in undergraduate students. There were no significant differences in working memory or processing speed performance scores between participants tested before and during the pandemic. This indicates that college students' cognitive functioning is not being affected by the pandemic.

### **15 Exploratory Behavior During a Parent-Child Collaborative Coding Activity**

Winnie Chui, Northwestern University; Brian Andrus; Naomi Polinsky, Northwestern University; David Uttal, Northwestern University

Prior research suggests a relationship between success in coding and creativity during problem-solving. We explore the potential relationship between parent prior experience and the number of unique codes pairs tested

to further investigate the factors that contribute to exploratory behavior, which is a proposed element of creativity.

### **16 Distance Perception during a Pandemic: The Effect of Mask-Wearing**

Dan Nardi, Ball State University; Katelyn Singer, Ball State University

In the context of the Action-specific view of perception (Witt, 2011), we addressed whether fear of exposure to the COVID-19 disease may affect distance estimation to other people. When presented with images of virtual characters, participants perceived them to be closer if the virtual character was not wearing a mask.

### **17 Cognitive Functioning in Patients with Left versus Atypical Language Dominance**

Elisheva Havlik, Medical College of Wisconsin; Amanda Wisinger; Anthony Oleksy; Julie Janecek; Jeffrey Binder, Medical College of Wisconsin; Sara J Swanson

Language reorganization has been associated with lower cognitive function in epilepsy. A sample of 167 patients, grouped by typical (left) and atypical (right or bilateral) language dominance, underwent comprehensive neuropsychological evaluation. Consistent with the notion of crowding, findings revealed lower scores on most measures for those with atypical language dominance.

### **18 The Relation Between Head Orientation Preference in Infancy**

Danieli Mercado-Ramos, Illinois State University; Julie Campbell, Illinois State University

This project extends this line of research by examining the relation between head orientation preference, hand preference, and language. Twelve infants for their head orientation and infants' hand preferences were observed using recordings of object manipulation and later coded for lateralized behaviors. Follow up language assessments are being conducted.

### **19 Pre-interview Practices Bolster Performance Among Children with High Autism Traits**

Kristina Todorovic, University of Toledo; Kamala London, University of Toledo

We investigated whether pre-interview practices are associated with autism traits. Children observed a video and then either received or did not receive pre-interview instructions before questioning. With no pre-interview practice, children with higher autism traits performed more poorly, but those who

received pre-interview instructions performed equally well regardless of traits.

## **20 Does Blatantly Contradictory Information Eliminate the Misinformation Effect?**

Rachel O'Donnell, Iowa State University; Jason C.K. Chan, Iowa State University

Loftus (1979) demonstrated an inoculation effect, where participants who received blatant misinformation were more likely to reject the subtle misinformation they received compared to participants who did not receive blatant misinformation. We conducted a direct replication of Loftus (1979) with new materials, designed to determine if the inoculation effect replicates.

## **21 Testing the Catastrophe Model: Memory of a Virtual Combat Simulation**

Kimberley McClure, Western Illinois University; Riley Grady, University of Toledo; Virginia Diehl, Western Illinois University; Emma Holtz, Western Illinois University; Brigid Lockard, Western Illinois University

The catastrophe model suggests that memory is affected by event stress and arousal. Military personnel ( $N = 52$ ) completed a simulated combat experience and their memory and intensity of the experience was examined. Event threat was coded as low, moderate, or high. Results did not coincide with catastrophe model predictions.

## **22 First gaze viewing measures reflect previous experience and memory strength**

Jonathon Whitlock, University of Illinois at Urbana-Champaign; Yipei Lo, University of Illinois at Urbana-Champaign; Huiyu Ding, University of Illinois Urbana Champaign; Lili Sahakyan, University of Illinois

Viewing behavior is affected by previous experience by being drawn to previously formed associations. Using measurements of first gaze of viewing test items demonstrates that viewing effects reflecting previously formed associations and differences in memory strength are evident as early as the first gaze to test items.

## **23 Memory for Combat: Emotion Regulation and Threat of the Situation**

Virginia Diehl, Western Illinois University; Riley Grady, University of Toledo; Laura Ballesteros, DePaul University; Jessica Muniz; Kimberley McClure, Western Illinois University

Fifty-two military personnel completed four emotion regulation questionnaires (the CERQ, ERQ, NMR, and MARS), participated in a

stressful combat simulation, and completed narrative free recall and recognition tasks about the simulation. The majority of significant correlations were positive, found with the CERQ, for recall, under high levels of threat.

#### **24 COVID-19 Masks at Encoding: Do Masked Lineups Increase Accuracy?**

Amber Giacona, University of Arkansas; James Lampinen, University of Arkansas

We investigated how lineups with masks could affect accuracy. We showed participants videos of suspects with/without masks, and then presented them with lineups with/without masks. We expect matched video/lineups will have the greatest accuracy. Results provide information about how to improve lineup construction when individuals are witnessed while wearing masks.

#### **25 Episodic familiarity and directed forgetting**

Yipei Lo, University of Illinois at Urbana-Champaign; Lili Sahakyan, University of Illinois

Both stimulus types and encoding strength were shown to influence directed forgetting (DF). Since stimulus memorability can be confounded with encoding strength, it is difficult to disentangle their effects on DF. We investigated how episodic familiarity affects the magnitude of DF by crossing objective strengthening manipulation with different stimulus types.

#### **26 Verbalization may not result in underperformance: Verbal overshadowing and sounds**

Justyna Olszewska, University of Wisconsin-Oshkosh; Magdalena Jabłońska, SWPS University of Social Sciences and Humanities; Olivia Lemke; Luke Tacke, University of Wisconsin-Oshkosh; Zulan Pino, University of Wisconsin-Oshkosh

We tested verbal overshadowing for environmental sounds (e.g., cough) that participants heard during a regular conversation, and we demonstrated a lack of the effect for these stimuli. The study adds new data to research on verbal overshadowing for auditory stimuli.

#### **27 Expectations and Retention Interval Impact Searches for Missing Persons**

James Lampinen, University of Arkansas; Jihan Rashed, University of Arkansas; Andrew Provenzano, Penn State Scranton; Nia Gipson

Prospective person memory refers to a set of processes involved in recognizing individuals one has been asked to be on the lookout for. We

examine the role of attention, retention interval and expectations on the success of missing person recovery efforts.

### **28 Differential Effects of Exercise Intensity on Mood State and Executive Functioning**

Michael Cervantes, University of Illinois at Chicago; Jennifer Wiley, University of Illinois at Chicago

Research has suggested a strong link between cognition and exercise. However, findings from prior studies using different levels of exercise intensity and different measures of executive functioning are mixed. The current research tests whether effects of exercise on mood state and executive functioning vary with intensity or across measures.

### **29 Pre-registered Replication of Smartphone Presence Effects on Cognition**

Larissa Olivas, Purdue University; Thomas Redick, Purdue University

Previous research revealed that having one's smartphone present but inaccessible while performing cognitive tasks produces negative cognitive effects. Other research showed that leaving one's phone in a different room during cognitive tasks also produces cognitive deficits. The current research attempted to reconcile these discrepant findings in two large-sample, pre-registered experiments.

### **30 Predicting Mathematics Readiness from IC and Baseline Scalp Electrical Activity**

Amanda Joyce, Murray State University

Children's IC, measured by task performance and parental report, combined with their scalp electrical activity in the area of the brain associated with IC, as measured at rest while watching a familiar film, predicts their mathematical readiness.

### **31 Target Features Influence Confidence in Errors during the RSVP Task**

Matthew Junker, Southern Illinois University; Quinn Bennett, Southern Illinois University; Kathleen Schmidt, Southern Illinois University; Reza Habib, Southern Illinois University Carbondale

Our research demonstrates that the attentional blink can be influenced by the target defining stimulus. Targets defined by an annulus produced a larger attentional delay effect than those defined by color. Participants in the annulus condition were also more confident in their incorrect responses than those in the color condition.

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**APA Distinguished Lecture**

**Why Do Mental Health Disparities Persist? The Personal Relevance of  
Psychotherapy**

Gordon Nagayama Hall  
University of Oregon

Thurs. 3:00PM – 4:50PM

Crystal

Moderator: Rosalyn Davis, Indiana University - Kokomo

One of the most persistent health disparities is the underutilization of mental health services by people of color. The advent of evidence-based treatments (EBTs) has not impacted these utilization disparities. Culturally-adapted treatments (CATs) have similarly failed to impact these disparities. EBTs may be limited by their assumption that single approaches are universally applicable. CATs may also be limited by their overly broad application to all individuals within cultural groups. However, clients may want treatments that address their individual needs. For many clients of color, neither EBTs nor CATs address their individual needs. I propose the Personal Relevance of Psychotherapy model that incorporates social neuroscience to determine the personal relevance of a treatment. Identifying personally-relevant interventions has the potential to reduce mental health disparities by increasing engagement with mental health services for diverse groups.

## **NOTES**

# mindworks

## The Science of Thinking

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from the Chicago Booth Center for Decision Research



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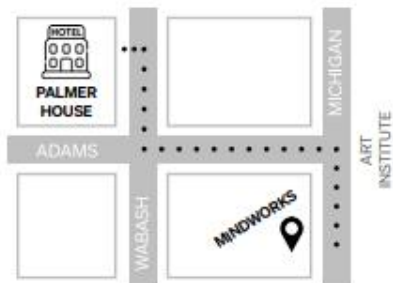
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**Invited Workshops**

**Changing the Culture of Peer Review: How to Be the Reviewer You've Always Wanted**

Amanda Diekman, Indiana University (Primary Presenter)

Matt Goldrick, Northwestern University

Pablo Gomez, California State University San Bernardino

Franki Kung, Purdue University

Thurs. 3:00PM – 4:50PM

Salon 06/07

This interactive workshop with Reviewer Zero will provide strategies to help you improve the peer review process to bolster scientific quality and support diversity, equity, and inclusion. We highlight data showing how poorly constructed reviews can harm early career scholars, and we will workshop writing kinder, more constructive reviews, responding to others' negative reviews, and advocating to editors.

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**MPA Social Hour**

**Thursday 5:00PM - 7:00PM**

**Empire Ballroom**

Please join colleagues, students, and new friends at the MPA Social Hour. All are welcome! The Empire Room is adjacent to the main lobby of the Palmer House.

## **Mindworks Reception for MPA Attendees**

**Thursday 6:15PM - 7:30PM**  
**Mindworks: The Science of Thinking**  
**224 S Michigan Ave, Chicago, IL 60604**

A networking and exploratory reception for the faculty and professional community attending MPA. Our goal is to share Mindworks with attendees so that they may in turn let others know that this behavioral science discovery center exists and is a resource for themselves, colleagues, friends, and students. Drinks and appetizers will be provided!

### **ABOUT MINDWORKS: THE SCIENCE OF THINKING**

Mindworks: The Science of Thinking is the world's first behavioral science discovery center and working lab, located at 224 S Michigan Avenue in the heart of Chicago's cultural corridor.

Free and open to the public, Mindworks invites visitors to participate in experiments examining the science of judgment and decision making, and to explore interactive exhibits showcasing the powerful, real-world impact of behavioral science.

Mindworks was conceived by Center for Decision Research (CDR) faculty and was made possible by generous philanthropic support from PIMCO.

[MindworksChicago.org](http://MindworksChicago.org)

### **SCHEDULE**

6:15 PM Reception begins.

6:15 PM Group ONE enters into Mindworks for tour. Everyone else stays in atrium for reception.

6:30 PM Group ONE exits to atrium. Group TWO tours Mindworks.

6:45 PM Group TWO exits to atrium. Group THREE tours Mindworks.

7:00 PM Group THREE exits to atrium. Group FOUR tours Mindworks.

7:15 PM Group FOUR exits to atrium. Group FIVE tours Mindworks.

7:30 PM EVENT ENDS



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## 5 facts about Toloka:

**Truly diverse sample.** 245,000 active performers in 202 countries, over 600 ethnicities, only 34% White. Toloka is a recognized expert in combatting bias in AI according to VentureBeat.

**Female-founded.** Toloka founder named among 'Women in Tech' new digital leaders, featured in Forbes and Entrepreneur.

**Friendly.** No batch fees, intuitive interface, low platform commissions, affordable pricing and responsible crowd payments. Survey template designed for academia and supported 24/7.

**Research-oriented.** Toloka's research with Northeastern and UNAM named the most impactful by UNESCO-backed IRCAI, as seen in Bloomberg.

**Responsible.** Tech Times featured Toloka as one of 5 responsible data labeling solutions making a positive social impact.

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**FRIDAY, APRIL 22, 2022**

Registration in Exhibit Hall 7:30AM – 3:00PM

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**Gender Identity and Norms**

Fri 8:30AM - 10:20AM

Salon 03

Moderator: Natalie L Dove, Eastern Michigan University

**8:30 The Transmission of Gender Role Norms through Televised Patterns of Nonverbal Emotion**

Sarah Ariel Lamer, University of Tennessee, Knoxville

We hypothesized that gender role norms may be transmitted via patterns of nonverbal emotion. Study 1 indicated that gender-stereotypical (vs counterstereotypical) tv characters were treated more positively by co-characters. Studies 2 & 3 indicated that exposure to this pattern (vs the reverse) caused girls to feel more pressure to be feminine.

**9:00 Gender-normed Scoring and Trans\* Individuals**

Ashley Bieze Wilson, Murray State University & Western Kentucky University; Laura Liljequist, Murray State University

Investigated gender normed scoring on the Brief Symptom Inventory (BSI; Derogatis, 1993) when assessing cisgender and trans\* or gender non-conforming individuals. Regardless of gender identity or sex assigned-at-birth (SAAB), a higher mean number of clinically significant elevations (T score  $\geq 63$ ) was found using male norms.

**9:15 Status and Discrimination in Single-Gender and Multigender Alternative Sexuality Spaces**

Jennifer Erickson, Northern Illinois University; Dionne Henderson; Hannah Tarleton, Northern Illinois University; Alexandra Shuman, Northern Illinois University; Brad Sagarin, Northern Illinois University

A total of 461 BDSM practitioners reported perceptions of inclusivity, status,

discrimination, and fetishization within the men's, pansexual (all genders), women's, or queer BDSM communities. Results suggest that sexism based on gender stereotypes (e.g., the assumption that feminine individuals are submissive) affects even single-gender communities.

### **9:30 Transgender Attitudes: A Meta-Analysis**

Hailey Hatch, Saint Louis University; Ruth Warner, Saint Louis University  
A random-effects meta-analysis examining predictors of transgender attitudes revealed that there were small to large effects across 15 individual difference predictors (e.g., gender beliefs, sexual orientation attitudes, and social ideology), with lesbian/gay/bisexual attitudes most strongly and aggression least strongly relating to transgender attitudes.

### **9:45 Appearance-based and behavioral gender nonconformity leads to identity denial**

Thekla Morgenroth, Purdue University; Jojanneke van der Toorn, Leiden University and Utrecht University; Ruthie Pliskin, Leiden University  
Across two experimental studies (total n=751), we found that appearance-based and behavioral gender nonconformity led to gender identity denial. Surprisingly, whether the target was transgender or cisgender did not affect these findings, highlighting the harmful consequences the gender/sex binary has for everyone, including cisgender individuals.

## **Social Judgment**

Fri 8:30AM - 10:20AM

Chicago

Moderator: Kathy Sexton-Radek, Elmhurst University

### **8:30 Easier is Better: The False Allure of Easy Tasks**

Eliana Polimeni, Kellogg School of Management; Loran Nordgren, Northwestern University

The present research examines the false belief that easy tasks are more enjoyable than difficult tasks, driven by the adaptive prioritization of effort avoidance.

### **8:45 Perceptions of Sexual Harassment and the Daughter Defense**

Alexandria Hamilton, University of Indianapolis; Mason Burns, University of Indianapolis

Invoking one's daughter to defend oneself from accusations of gender/sexual misconduct (the Daughter Defense) is a common defense in the #MeToo era.

Two studies revealed that, although men with daughters are perceived more positively than other men in the abstract, the Daughter Defense backfires, increasing perceptions of the accused's guilt/responsibility.

### **9:00 “Burden in the Hand:” When a Sure Thing is Regrettable**

Rose Williamson, Ohio University; Keith Markman, Ohio University

Participants were made aware of an enticing (but uncertain) job opportunity, and some were also offered a guaranteed but less preferable job. Participants who had a sure thing in hand reported more anticipated regret and negative emotions than did those who did not have a sure thing.

### **9:15 Impact of AI Recommendations on Decision Making in Fantasy Sports**

Bryan Buechner, Xavier University; Isaac Blaney, Xavier University; Ashely Stadler Blank, Xavier University; Brianna Escoe, Vanderbilt University

In response to the tremendous growth of sports bettors in the U.S., many gambling and fantasy sports platforms have integrated artificial intelligence into their experience, presumably to provide recommendations that influence user engagement and performance. However, our results suggest users show hesitancy to follow AI recommendations, leading to suboptimal decision-making.

### **9:30 The Perceived Trustworthiness Gap: I Am More Trustworthy Than You**

Veronica Vazquez-Olivieri, University of Chicago; Yoella Bereby-Meyer, Ben Gurion University of the Negev; Boaz Keysar, University of Chicago

Across four studies, participants perceived others as less trustworthy than themselves. The discrepancy results from differential focus on internal states. People expected to feel guiltier than others if they violated trust, and this mediated the perceived trustworthiness gap. This trustworthiness gap might undermine the ability to establish interpersonal trust.

### **9:45 Should We Dare to Share?**

Natalie Mordini, DePaul University; Verena P Graupmann, DePaul University

Two studies explored factors that differ between secret-sharing and secret-keeping experiences, perceptions, and outcomes. Perceptions of secret-sharing and secret-keeping decisions generally aligned with the retrospective experiences participants recalled. However, participants associated secret-sharing with better emotional outcomes, which contrasts the emotional outcomes reported when participants reflected on their experiences.



## **Interpersonal and Family Relationships**

Fri 8:30AM - 10:20AM

Salon 06/07

Moderator: Virgil L. Sheets, Indiana State University

### **8:30 Gender Typicality in Relation to Brazilian Adolescents' Friendship Selection**

Mithra Pirooz, University of Nebraska at Omaha; Jonathan Santo, University of Nebraska Omaha; Josafa Da Cunha, Federal University of Parana in Curitiba

We examined the similarities and features models of friendship selection as functions of gender typicality and atypicality among Brazilian adolescents. Regarding gender typicality and atypicality, both models of friendship selection were supported. Furthermore, we found that peer liking, friendship nominations, and closeness are best understood as separate but related entities.

### **8:45 The Role of Promotion vs Prevention Motivations in Friendship Closeness in Young Adults**

Eileen Wu, Northwestern University; Daniel Molden, Northwestern University; Eli Finkel, Northwestern University

The present research examines how motivation for promotion and prevention predicts the development of closeness in friendships in young adults. Two longitudinal studies found that promotion motivations were uniquely associated with perceived closeness with close friends than prevention motivations. The perceived closeness was likely mediated through the perceived facilitation of self-growth during friendship companionship.

### **9:00 The Impact of Transgression Severity and Frequency on Future Forgiveness**

Devin Fowlie, Queen's University; James Hillman, Queen's University; Tara MacDonald, Queen's University

Forgiveness is crucial in interpersonal relationships where incidental transgressions occur. However, these transgressions may accumulate over time, subtly impacting perceptions of the transgressor. We propose and explore the idea that repeated, small transgressions lead to more negative perceptions of the transgressor and negatively impact the desire and willingness to forgive.

### **9:15 The interpersonal determinants of discipline perceptions**

Will Donnelly, Loyola University Chicago; Maryse Richards, Loyola

University Chicago; Yael Granot, Loyola University Chicago; David Iglizzi, Loyola University Chicago

This study investigated how students' different relationships with school-based actors: teachers, administrators, other students, and school police influenced their perceptions of disciplinary fairness. We add to past research by isolating each type of relationship and find that connections to all actors except administrators uniquely and meaningfully impacted fairness perceptions.

### **9:30 Recollections of Positive Body Talk in Mother-Daughter Dyads**

Amy Jordan, Bowling Green State University; Emma Studer-Perez, Bowling Green State University; Aubrey Dauber, Bowling Green State University; Sneha Kamath, Bowling Green State University; Maria Kalantzis, Bowling Green State University

Undergraduate women and their mothers were asked to briefly describe a memory of a time in which their mother or daughter said something positive about either of their bodies. Four themes were identified: appearance, appearance change, body appreciation, and clothes.

### **9:45 Parental adversity in childhood and child emotion regulation: The role of parental depression**

Madison Hannapel, Eastern Michigan University; Joely Reznik, Eastern Michigan University; Amanda Hicks; Angela Staples, Eastern Michigan University; Jamie Lawler, Eastern Michigan University

This study examined parental ACE's effect on child emotionality through parental depression. Parental ACE's direct effect on child emotion regulation (ER) and emotional lability/negativity (L/N) were not significant, however, when mediated through parental depression both models are significant. Treating parental psychopathology may subsequently help improve child emotion regulation.

## **Psychophysiology and Cognition**

Fri 8:30AM - 10:20AM

Salon 12

Moderator: Jeannette Stein, University of Michigan-Flint

### **9:00 Pupil-size fluctuations during learning predict relational binding**

Jonathon Whitlock, University of Illinois at Urbana-Champaign; Lili Sahakyan, University of Illinois; Ryan Hubbard, University of Illinois Urbana-Champaign

Pupil-size fluctuations during learning predicted the duration of time devoted

to viewing selected Target faces in a relational task, but not in a single item memory task, indicating that pupil-size fluctuations at encoding index relational processes that reflect the binding between items and their originally associated context.

### **9:15 Cross-Race Effect in Associative Recognition: An Eye-Tracking Investigation**

Huiyu Ding, University of Illinois Urbana Champaign; Jonathon Whitlock, University of Illinois at Urbana-Champaign; Lili Sahakyan, University of Illinois

We investigated the Cross-Race Effect in associative and single-item recognition with concurrent eye tracking. The CRE was obtained in single-item recognition, but not in associative recognition. The eye movements provided additional support for these findings by showing preferential viewing did not differ between own-race and other-race faces in associative task.

### **9:30 Neural Oscillations in Memory Strategies**

Trevor Bell, Kansas State University; Kelly Krehbiel; Annie Harper; Heather Bailey, Kansas State University

We know from experience that we are not always able to accurately remember information. One factor is how deeply memory stimuli are processed. The current study evaluated neural mechanisms between memory strategies. We found a distinction in brain activity between strategies, providing a detailed explanation for what is “effortful” encoding.

### **9:45 Effects of a Neutral Warning Signal on Spatial Two-Choice Reactions**

Tianfang Han, Purdue University; Robert Proctor, Purdue

A warning signal with short fixed foreperiods (50 - 200 ms) can improve both response speed and accuracy. When foreperiod is variable, a 200-ms foreperiod induces a more liberal response criterion than a 50-ms foreperiod. This preparation process is activated at different rates for spatially compatible and incompatible mappings.

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## Symposium

### **Encouraging Increased Partnership between Mental Health Researchers and Military-Focused Organizations**

Fri 8:30AM - 10:20PM

Salon 10

Organizer: Eric Wesselmann, Illinois State University

The United States has employed volunteer-based armed services since the 1970s. As these armed services have been engaged in increasing operations and conflicts across the globe, the psychological needs of these volunteer soldiers and their families have increased. However, these needs are often not met satisfactorily by either military- or civilian-based efforts. Psychologists and other mental health professionals have an important role to play in helping our society better support our military servicemembers and their families. This symposium provides several talks, each approaching the general idea of collaborative partnership from different theoretical and empirical angles. Some involve projects focused on program evaluations of established initiatives by both military and civilian organizations, and others involve mental health-oriented contexts. The various studies collected data from veterans, their families, and civilians. Psychologists from various disciplines should find something interesting in this symposium and hopefully inspiration for ways in which their own work could be relevant to veterans and their families.

#### **Securing the Yellow Ribbon for our Soldiers and their Families: A Research Partnership**

Mark E. Swerdlik, Illinois State University

#### **Examining Age Cohort Differences in Trauma Response Among Older Adult Veterans**

Mark S. Olson, Illinois State University

#### **Remembering the Fallen, Serving Survivors: The Illinois Gold Star Mission Program**

Eric Murray, Gold Star Mission, Chuck Kitson, Gold Star Mission

### **Evaluating the Gold Star Mission, Part 1: Survey Results**

Erin Marchand, Illinois State University; Eric D. Wesselmann, Illinois State University; Daniel G. Lannin, Illinois State University; & Paul S. Whitmer, Illinois State University

### **Evaluating the Gold Star Mission, Part 2: Focus Group Results**

Eros R. DeSouza, Illinois State University; Lilly Ryner, Illinois State University; & Katie Little, Illinois State University

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## **Adverse Childhood Experiences**

Fri 9:00AM - 10:20AM

Salon 01

Moderator: Beth Trammell, Indiana University East

### **9:00 Familial Transmission of Maladaptive Emotion Regulation**

Caitlin Tytler, Cleveland State University; Emma Church, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

The present study investigated the relationship between emotion regulation (ER) transmission from parent to offspring, and whether discrepant child-parent perception of parenting practices moderate this transmission. ER transmission was moderated by discrepant positive parenting discrepancies. Clinical implications will be discussed.

### **9:15 In vivo Emotion Regulation Mediates Adverse Childhood Sexual Abuse Effects**

Madeleine Reinhardt, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

The current study examined the mediating roles of in vivo adaptive and maladaptive emotion regulation (ER) response deployment between childhood sexual abuse histories dysphoria in response to naturally occurring daily-life stressors. Maladaptive ER gained support as a mechanism by which abuse histories protract dysphoria. Clinical implications will be discussed.

### **9:30 The Relation between Child Maltreatment and Mindfulness**

Nicole LaPlena, Miami University; Terri Messman, Miami University; Prachi Bhuptani, Miami University

This study examined the relationship between child maltreatment and

mindfulness among 1,476 college women to determine if certain types of maltreatment are more strongly connected to mindfulness than others. Additionally, this study compared initial results with those when minimization response styles when reporting child maltreatment were accounted for.

### **9:45 Adverse Childhood Experiences on Perceptions of Sexual Violence**

Madeleine Reinhardt, Cleveland State University; Marissa Dongarra, Cleveland State University; Liz Goncy, Cleveland State University

The current study examined the association between history of childhood abuse and the conceptualization of sexual violence represented by rape scripts. Those who experienced childhood abuse were less likely to include themes of force and coercion in their scripts, reflecting the reality that rape is less violent than stereotypes suggest.

## **Stereotyping**

Fri 9:00AM - 10:20AM

Salon 05/08

Moderator: Claire Etaugh, Bradley University

### **9:00 Judgements of Black-White Biracial Individuals Vulnerability to Race Prototypic Diseases.**

Simrat Samra, University of Denver; Gina Paganini, University of Denver; E. Paige Lloyd, University of Denver

This study (N=201) examined whether perceivers were more likely to diagnose Biracial Black-White individuals with a disease associated with their stigmatized identity relative to their non-stigmatized identity. We found that Biracial Black-White individuals were judged as more vulnerable to diseases associated with their stigmatized identity as opposed to their non-stigmatized.

### **9:15 Influence of Cognitive Load and Empathy on Stereotyping**

Georgia Illa, Central College; Shelby Messerschmitt-Coen, Central College

The current study was interested in the relationship between cognitive load, stereotype use, and empathy elicitation. Following a vignette, cognitively busy participants recalled less stereotypical language, and participants primed with empathy recalled more stereotype-consistent language. The authors provide research and practical implications of these findings.

**9:30 Ignored But Not Invisible? Perceptual Responses to Intersectionality**

Pamala Dayley, University of California - Los Angeles; Kerri Johnson, University of California - Los Angeles; Steve Stroessner, University of California - Los Angeles

Across two studies we investigated how perceivers visually locate, visually attend to, and remember targets with non-dominant, intersectional identities. Study one showed that visual/spatial orienting differed as a function of target race, but was not exacerbated for targets with intersectional identities. We discuss the results in terms of future directions.

**9:45 Social Media Disclosure of Suicidality: A Qualitative Study**

Lindsay Sheehan, Illinois Institute of Technology; Carla Kundert, Illinois Institute of Technology; Cora Liu, Illinois Institute of Technology

This study analyzed outcomes of disclosing suicidality on social media and presented themes related to advantages and disadvantages of such disclosure. Results can be used to help survivors determine whether disclosure on social media is right for them and to better inform clinicians in discussing suicide attempt disclosure with clients.

**10:00 Preference for Gender Stereotypicality in Artificial Intelligence**

Julia Spielmann, University of Illinois at Urbana-Champaign; Chadly Stern, University of Illinois at Urbana-Champaign

Do people prefer gender stereotypicality in voice-based artificial intelligence (AI)? Two initial studies suggest that people prefer gender stereotypicality (over counterstereotypicality and androgyny) in voice-based AI. These studies shed light on cognitive processes in a context removed from societal norms.

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**MPA Invited Presidential Address**

**When I become you: How small shifts in language promote self-control**

Ethan Kross  
University of Michigan, Ann Arbor

Thurs. 9:00AM – 10:15AM

Red Lacquer

Moderator: Ed Hirt, Indiana University

People often refer to themselves in strikingly different ways when they introspect. Whereas people typically use 1st person singular pronouns to refer to themselves, they at times use their own name and other non-1st-person pronouns as well (e.g., Why is Ethan feeling this way or Why are you feeling this way?). In this talk I will review evidence suggesting that these linguistic constitute a primitive and relatively effortless self-control tool.





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## Memory and Attentional Processes

Fri 10:30AM - 12:20PM

Salon 12

Moderator: Spencer Campbell, Lewis University

### **10:30 Age-associated executive dysfunction: The prefrontal cortex and complex decision making**

Natalie Denburg, University of Iowa College of Medicine

In this talk, I will provide data supporting the claim that the frontal lobes undergo disproportionate age-related change. Implications of these brain-related changes for real-world decision making will also be discussed. Finally, data indicating how individual difference variables, such as emotion, personality, and stress, further contribute to age-associated executive dysfunction will be presented.

### **11:00 Mental Counters: An Online Tool for Assessing Working Memory Capacity**

Lena Hildenbrand, University of Illinois at Chicago; Jennifer Wiley, University of Illinois at Chicago

With the recent move to conducting more research online this has mandated the need for reliable and valid online assessments of individual differences. The data presented here show that an online version of a Mental Counters Task produces reliable correlations with two other established measures of WMC.

### **11:15 Assessing Age-related Differences in Spatial Working Memory: A Methodological Examination**

Gregory DeGirolamo, St. Xavier University; Anne Schutte, University of Nebraska- Lincoln

Cognitive aging research demonstrates that memory development across adulthood is complex. Some memory abilities decline with age while other abilities are maintained throughout adulthood. This talk examines how a minor methodological change on a working memory paradigm can impact performance. It also discusses implications for computational models of cognition.

### **11:30 Cognitive Mechanisms Underlying a Contextual-Based Memory Illusion**

Nicole Miller, University of Chicago; Taylor Chamberlain, University of Chicago; David Gallo, University of Chicago  
Recent work using object-scene pairs found that context reinstatement can distort object memory. Our findings suggest this context illusion is driven by conceptual fluency as opposed to perceptual priming. This effect was robust under speeded tests, suggesting that such fluency can act rapidly at retrieval and does not require explicit recollection.

### **11:45 Individual Differences in Working Memory and Retrieval Practice Benefits**

Amanda Fordyce, Purdue University; Jeffrey Karpicke, Purdue University; Thomas Redick, Purdue University

Due to inconsistencies in the literature, the current experiments addressed how variations in task procedure and measurement of working memory influence the presence or strength of the relationship between working memory and retrieval practice. For all three experiments, the benefit gained from retrieval practice was independent of working memory ability.

## **Psychological Science Applications to COVID-19**

Fri 10:30AM - 12:20PM

Salon 03

Moderator: Colleen Biri, Lindenwood University

### **10:30 The relations between the COVID Behavioral Health Mindset, attributions about science, self-protection and vaccination, and prosocial vs. selfish attitudes towards other people, including customers.**

Michael Cunningham, University of Louisville

Five studies were conducted to develop the COVID Behavioral Health Mindset scale (CVBHM) and establish its relations with attributions about protection against the virus, trust in science, vaccine intentions, demographics, political orientation, Big Five personality dimensions, Holland Vocational Interests, Customer Service Mindset and motivations to deliver vaccinations to the community.

### **11:00 Embracing Complexity in Human Development, Individual Experience, and Science Communication**

Jaime Derringer, University of Illinois at Urbana-Champaign

Psychological research takes a necessarily narrow view of human experience, focusing on specific characteristics, processes, or approaches to inquiry. Drawing from parallel lines of research into behavior genetics and sexuality, I

will discuss how we conceptualize and communicate simplified models when an accurate summary may always be, “it’s complicated.”

### **11:30 Work -Related COVID-19 Restrictions: Social Media and General Health**

Kelly Cruise, Southern Illinois University Edwardsville; Melissa Henry, Southern Illinois University Edwardsville; James Woodcock, Southern Illinois University Edwardsville; Tyler Gorbett, Southern Illinois University Edwardsville; Joel Nadler, Southern Illinois University Edwardsville  
Participants reported demographic, personality, general health, social media usage, and COVID-19 related work-restrictions. Significant effects were found across multiple variables with social media usage, general health and education most related to COVID 19 restrictions. Demographic variables as well as rates of various COVID-19 restrictions were also examined.

### **11:45 University Students’ Sense of Place During the COVID-19 Pandemic**

Caitlin Ailsworth, DePaul University; Andrea Bellovary, DePaul University; Kimberly Quinn, DePaul University

Sense of place is critical to wellbeing, but the pandemic changed many people’s interactions with physical spaces. In a survey of 418 university students’ space use during campus shutdown, we found that sense of place depended on the reason for interacting with the space: to be social or alone.

### **12:00 The Biasing Role of Trust on Missing Information**

Ryan Gaffney, Vanderbilt University; Emma Neybert, University of Cincinnati; Frank Kardes, University of Cincinnati; Robert Wyer, University of Cincinnati

This research investigates the debiasing role the distrust mindset has on omission neglect. When a distrust mindset is activated in the consumer, consumers become more sensitive towards potentially omitted information. This effect in turn can negatively impact product evaluations when the amount of information is deemed to be insufficient.

## **Eating Behavior and Health**

Fri 10:30AM - 12:20PM

Salon 01

Moderator: Kim Dell'Angela, The Chicago School of Professional Psychology

**10:30 Mispredicting emotion for health outcomes: Some evidence of an impact bias for eating behaviors and potential intervention strategies**

Amanda Dillard, Grand Valley State University

This presentation will cover recently published data involving two studies that tested the impact bias (i.e., overestimates of emotion in the future) for health outcomes, including consuming unhealthy foods. An experimental study that tested an intervention to reduce overestimates of emotion in an eating context will also be presented.

**11:00 Mindfulness Facets and Eating Pathology in Adults with Overweight/Obesity**

Wesley Barnhart, Bowling Green State University; Maria Kalantzis, Bowling Green State University; Abby Braden, Bowling Green State University

Differential relations emerged between mindfulness facets and self-reported emotional eating in adults with overweight/obesity. Findings suggest a facet approach may be useful in future intervention research to better discern the specific role these facets play in reducing the severity of diverse types of emotional eating in adults with overweight/obesity.

**11:15 Antecedent- and Response-Focused Emotional Regulation's Role in Disordered Eating**

Kailee Shaver, Cleveland State University; Rebekah Holt, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

This study examines the Gross's Process Model of Emotion Regulation in relation to disordered eating within a college student sample. Results suggest that some antecedent-focused ER responses influence eating disorder problems indirectly via response-focused strategies, which may suggest that maladaptive response-focused strategies may be an important treatment target.

**11:30 Eating Disorder and Agitation Symptoms among Military Members**

Shruti Kinkel-Ram, Miami University; April Smith, Auburn University

We used network analysis to identify central and bridge symptoms between eating disorder symptoms and agitation symptoms among a sample of active duty and veteran military members. The strongest symptoms in this network were related to body dissatisfaction, excessive exercise and internal agitation, and binge eating bridged to emotional turmoil.

**11:45 Body Talk and Disordered Eating: General versus Body-Related Affective Mediators**

Warner Myntti, Eastern Michigan University; Lucas Parnell, Eastern Michigan University; Valerie Valledor, Eastern Michigan University; Chong Man Chow, Eastern Michigan University

The present study attempts to clarify the role of general or body-focused negative affect in the association between negative body talk in the mother-daughter relationship and disordered eating. Results suggest disordered eating behaviors are discrepant to the degree that co-occurring negative affect is primarily body-focused or wide-ranging.

### **12:00 Sex Moderates Relations Between Sociocultural Appearance Pressures and Disordered Eating**

Wesley Barnhart, Bowling Green State University; Amy Jordan, Bowling Green State University; Maria Kalantzis, Bowling Green State University; Dara Musher-Eizenman, Bowling Green State University

Consistent with the tripartite model, family, peer, and media appearance pressures were related to higher body dissatisfaction in women but not in men. Specifically, these interactions explained variance in weight and shape concerns. Findings suggest the need to better understand if the tripartite model explains eating and body image in men.

## **Decision-Making and Valence**

Fri 10:30AM - 12:20PM

Salon 05/08

Moderator: Gary Leak, Creighton University

### **10:30 The influence of valenced stimuli on decision making within a ratio-bias task**

Raymond P. Voss Jr., Purdue University - Fort Wayne

Previous research into the ratio-bias has overwhelmingly focused on positively valenced stimuli (typically jelly beans). Across a series of studies, the task was altered to include negatively valenced stimuli (mealworms). Results indicate that the valence of the stimuli does influence choice. Potential mechanisms and future directions will also be discussed.

### **11:00 Keep Talking: (Mis)understanding the Hedonic Trajectory of Conversation**

Michael Kardas, Northwestern University, Kellogg School of Management; Juliana Schroeder, University of California at Berkeley, Haas School of Business; Ed O'Brien, University of Chicago, Booth School of Business  
Conversation is common and consequential, yet four experiments find that people misunderstand its hedonic trajectory, expecting their enjoyment to

decline faster than it does. This occurs because people underestimate how much material they will discuss as conversation continues. People may prefer to end conversations too soon for their own enjoyment.

### **11:15 Repetition Increases Belief More for Trivia Than for News Headlines**

Raunak Pillai, Vanderbilt University; Lisa Fazio, Vanderbilt University  
Repetition is known to increase belief in various statements. Here, we demonstrate that subject matter may govern the size of this illusory truth effect, with banal trivia statements showing larger effects than political headlines, which in turn show larger effects than bizarre, health-related headlines. Implications for theory will be discussed.

### **11:30 Influence of Gain-Loss Framing on Social Distancing and Mask Wearing**

Jiuqing Cheng, University of Northern Iowa; Jordan Steffen  
The study tested gain-loss framing on social distancing and mask-wearing in the COVID-19 pandemic. Participants in the loss condition than in the gain condition showed more positive attitudes toward preventative measures. Moreover, the framing effect was moderated by political ideology, with the effect being stronger in liberals than in conservatives.

### **11:45 Consumers' Perceived Comfort and Protected Values in Green Electricity Appraisal**

Juan Pablo Loaiza Ramírez, Purdue University; Torsten Reimer, Purdue University; Carlos Eduardo Moreno Mantilla, Universidad Nacional de Colombia

Empirical support for an expected comfort halo-effect is reported: Effects of the sustainability of energy sources on consumers' willingness to pay a premium and their adoption intentions were mediated by the perceived comfortableness of renewable energy; the observed mediation was moderated by consumers' moral orientation toward the environment.

### **12:00 Explanations of Veracity Increase Political Counterfactual Plausibility**

Sean Bogart, Ohio University; Keith Markman, Ohio University  
Participants provided an explanation for why political counterfactual statements were either true or untrue, and then later rated the plausibility of the counterfactuals following a filler task. Explaining the truthiness (vs. non-truthiness) of counterfactuals enhanced the perceived plausibility of those counterfactuals.



## Motivation and Self-Control

Fri 10:30AM - 12:20PM

Salon 06/07

Moderator: Renée Tobin, Temple University

### **10:30 The Dynamics of Self-Control**

Paul Stillman, Yale University

The real-time dynamics of self-control are poorly understood. Here, I test different models of how self-control unfolds (impulse inhibition vs. dynamic competition) by applying a novel analytic approach to mouse-tracking data. This approach reveals the diversity of self-control and helps us build towards a more nuanced understanding of what self-control is.

### **11:00 Boosting STEM Motivation by Reflecting on Setbacks with Purpose**

Mansi Joshi, Indiana University; Amanda Diekman, Indiana University; Jaysree Seth, 3M

We investigated how facing challenges affected underrepresented minority STEM students' opportunities to fulfill communal and agentic goals in their majors. Even though considering challenges constricts perceived goal opportunities, considering challenges along with purpose provides a protective effect.

### **11:15 Compassionate Goals Towards Poor People Predict Support for Redistributive Policies**

Juan Ospina, The Ohio State University; Jennifer Crocker, Ohio State University, Columbus

Redistributive Policies (RP) have the potential to reduce socio-economic inequality. What motivates people to support RP? Across 3 studies with different populations, compassionate goals towards the poor predicted more support for RP, even after accounting for the effects of other predictors that influence support for or opposition to RP.

### **11:30 Sense of Place and Academic Motivation during the COVID-19 Pandemic**

Youlim Kim, DePaul University; Kimberly Quinn, DePaul University

We conducted an exploratory study to examine whether recalled sense of place (SOP) on campus would be associated with academic motivation while students were away from campus during the COVID-19 campus shutdown. Mediation analyses suggested that recalled campus SOP reminded students of their meaning in life and supported academic motivation.

## **11:45 Perceived STEM Objectivity Norms Affect Self-Concept Beliefs and Authenticity**

Tessa Benson-Greenwald, Indiana University; Amanda Diekman, Indiana University

We examined how STEM objectivity norms (exclusive vs. integrated objectivity) influence people's state authenticity. College students ( $n = 237$ ) anticipated greater state authenticity in the integrated (vs. exclusive) objectivity condition. This study indicates that STEM objectivity norms can affect how those who consider entering STEM environments might experience their environment.



### **Invited Workshops**

#### **Design approaches to experimental mediation: A “how-to” workshop for your research**

Angela Pirlott  
Saint Xavier University

Fri. 10:30AM – 12:20AM

Salon 02

This workshop reviews the methodological approaches to experimental manipulations of a mediator by describing and providing examples of the pertinent types of designs, manipulations, and analyses. Ample time will be provided for participants to actively apply concepts to their own research, through brainstorming, collaborating, receiving feedback, and asking questions.

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**MPA Invited Presidential Address**

**What a Good Conversationalist Is...and is not**

Tom Gilovich  
Cornell University

Friday, 10:30AM – 12:20PM

Crystal

Moderator: Ed Hirt, Indiana University; Frank Kardes, University of Cincinnati

Talking to others is one of the most social things people do, and of all the social things people do, it's among the most frequent. Nevertheless, despite how practiced they are at conversation, many people find it anxiety producing, and the "above average effect" observed in so many other domains does not apply to people's assessments of their ability to engage in informal conversation. Why not? What is it that people most fear about conversation and what makes so many people doubt their own abilities? And how do those fears help us understand the ways that people identified by their friends as good conversationalists differ from the rest of us?

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## Behavioral Neuroscience: Poster Session

Fri 10:30AM - 12:20PM

Upper Exhibit Hall

### **1 Early Hypoxia Alters Exploratory Movements in Adult Geckos: Part II**

Emma Kinerson, Coastal Carolina University; Nikki Boon, Coastal Carolina University; Kyleigh Adorno; Kayley Ozimac; Scott Parker, Coastal Carolina University; Ryan Yoder, Coastal Carolina University

In ovo hypoxia produces brain damage in leopard gecko hatchlings, and we evaluated these geckos' exploration performance in adulthood (age >1 year). Hypoxia animals showed significantly lower peak speeds than controls, but their strong movement scaling scores suggest early hypoxia does not impair the ability to move or estimate distance.

### **2 Effects of Fluoxetine and D-amphetamine on Zebrafish Learning and Memory**

Kathleen Hodges, Western Illinois University; Matthew Blankenship, Western Illinois University

This study investigated the effect that d-amphetamine and fluoxetine treatment, alone and in combination, had on novel object recognition and fear conditioning in zebrafish. Fluoxetine had an anxiolytic effect leading to impairments in object recognition and fear response while d-amphetamine had an anxiogenic effect that led to improved fear response.

### **3 Prenatal Ethanol Exposure did not Increase Impulsivity in Adolescent Rats**

Daren Kaiser, Purdue University Fort Wayne; Amy Perkins, Purdue University Fort Wayne

In the first of a series of studies designed to examine whether prenatal alcohol exposure increases impulsivity in adolescent rats, adolescent rats were trained to bar-press and then put through extinction. There was no evidence that the alcohol exposure increased impulsivity (slowed extinction of bar-pressing behavior).

### **4 Temporal Gradient of Amnesia for the Stress-Induced Impairment of Extinction**

James Briggs, Susquehanna University; Kaitlyn McMullen, Susquehanna University

Chronic and acute stress has been shown to impair extinction learning. Using a passive avoidance paradigm, we show that retrograde amnesia for the stress-induced impairment of extinction follows a temporal gradient. These results suggest that a memory for acute stress shares characteristics with original acquisition memories.

### **5 Neurobiological Relationships with Anxiety in a Mixed Sample of Children**

Genni Newsham, SIU; Caleb Hoffman; Michelle Y. Kibby, Southern Illinois University at Carbondale

The purpose of this study was to determine neurobiological correlates of high anxiety versus low anxiety in a mixed sample of children without anxiety disorders using VBM. In a sample of children age 8-12, results indicated that children with higher anxiety displayed volumetric atypicalities in areas associated with anxiety disorders.

### **6 Fear Responding Following Safety: The Role of Intolerance of Uncertainty**

Ana Cinch, Marquette University; Boiana Pegau, Marquette University; Jacklynn Fitzgerald, Marquette University; Kaley Davis, Marquette University; Kate Webb, University of Wisconsin - Milwaukee; Susan Sangha, Purdue University

This study explores intolerance of uncertainty (IU) in relation to differential processing of threatening (associated with white noise burst) and safe stimuli (no outcome) using skin conductance response (SCR) as a marker of differential arousal. IU was related to greater fear response (larger SCR amplitude) when following a safety response.

### **7 Social memory evident in mid to late, but not early, adolescence in rats.**

Carolyn Pang, Purdue University Fort Wayne; Avery Volz, Purdue University Fort Wayne; Abigail Bartels, Purdue University Fort Wayne; Amy Perkins, Purdue University Fort Wayne

Prenatal alcohol exposure alters social behavior in humans and in animal models. We employed a novel test of social behavior, social memory, to evaluate social cognition in early-, mid-, and late-adolescent rats prenatally exposed to alcohol. Social memory was not apparent in early adolescence but emerged by mid-late adolescence.

### **8 Whip Spiders Prefer Geometric to Feature Information for Goal-directed Navigation**

Vincent Coppola, The University of Findlay; Hannah Caram, University of

Findlay; Cecilia Robeson, University of Findlay; Sophia Beeler; Daniel Wiegmann; Verner Bingman, Bowling Green State University  
Whip siders were trained to a location defined by two cues (geometric and feature). Animals could use geometric, but not feature, information for locating the goal when cues were isolated. Setting cues in conflict suggested a role of feature information in setting the context for which geometric information is implemented.

### **9 GluN2B Subunit Antagonist Ro 63-1908 Decreases Cocaine Demand Intensity**

Maria Broderick; Joy Kappesser, Northern Kentucky University; Makayla Wright, Northern Kentucky University; Matthew Horchar, Northern Kentucky University; Justin Yates, Northern Kentucky University  
Rats were trained in a threshold procedure, in which they self-administered cocaine. The GluN2B-selective antagonist Ro 63-1908 decreased demand intensity (i.e., consumption of a high dose of cocaine) without affecting demand elasticity (i.e., consumption of decreasing doses of cocaine). Females showed less demand elasticity compared to males.

### **10 Long- vs Short-Access Cocaine Alters Behavioral Inhibition for Cocaine**

Dustin Stairs, Creighton University; Taena Hanson, Creighton University; Kendall Kellerman, Creighton University; George Borkovich, Creighton University; Jacob Meyer, Creighton University; Hannah Okelberry, Creighton University; Kailey Bell, Creighton University; Girogio Bacchin, Creighton University; Miles Eckrich; Claire Shinnars, Creighton University; Keegan Kalkman, Creighton University; Julia King, Creighton University  
We first obtained a measure of behavioral inhibition for cocaine intake, prior to exposure to extended access cocaine self-administration. Following extended access cocaine rats with long-access cocaine exposure had a worse behavioral inhibition measure prior to their extended cocaine access and compared to a short-access cocaine group.

### **11 Past Psilocybin Use Improving Future Depressive Symptom Management**

Taylor Hansen, Purdue University Global  
Research has shown psilocybin mushrooms have great potential to treat depression. This study looks at whether past psilocybin use helps individuals prevent or better cope with depressive symptoms. Results showed weak, but statistically significant correlations between several variables, as well as significant trends in the open-ended responses.

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## Invited Symposium

### **Empathy: An Important but Problematic Concept**

Fri. 10:30AM – 12:20PM

Salon 10

Organizer: Alison Jane Martingano, National Institutes of Health

More than half a dozen definitions of empathy are regularly used by academics and laypeople. Given this lack of consensus, we provide new insights into the antecedents, correlates, and consequences of a range of “empathy” concepts and compare the predictive validity of different definitions of empathy.

#### **Empathy, Friend or Foe? Untangling the Relationship Between Empathy and Burnout in Helping Professions**

Morgan D. Stosic, University of Maine

#### **Personality Descriptions of ‘Empathic’ Individuals made by Friends, Family, and Roommates**

Amber A. Fultz, Oregon State University

#### **“Leave Britney Alone!” Parasocial Relationships and Empathy**

Nicole E. Iannone, Radford University


#### **No Need to Take What You Already Have: Perspective Taking’s Effect on Empathic Concern for Low-Need Targets**

Sara Hodges, University of Oregon

#### **How Cognitive and Emotional Empathy Relate to Rational Thinking: Empirical Evidence and Meta-analysis**

Alison Jane Martingano, National Institutes of Health

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## Behavioral Neuroscience and Psychopharmacology

Fri 1:00PM - 2:50PM

Salon 10

Moderator: Ryan Yoder, Coastal Carolina University

### **1:00 Sex chromosome complement mediates aversion-resistant ethanol drinking**

Elizabeth Sneddon-Yepe, Miami University; Brianna Masters, Miami University; Kaila Fennell, Miami University; Haifei Shi, Miami University; Anna Radke, Miami University

The mechanisms underlying sex differences in alcohol drinking behaviors are unclear. We used the Four Core Genotypes mouse model to investigate the contribution of sex chromosome complement to aversion-resistant alcohol drinking (i.e., drinking despite negative consequences). Both XX and XY chromosomes regulated aversion-resistant drinking.

### **1:15 Adult Anxiety-related Behaviors following Early-Life Stress-Inoculation**

Oreoluwa Akinbo, Northern Illinois University; Angela J. Grippo, Northern Illinois University; Leslie Matuszewich, Northern Illinois University  
Early-life exposure to mild stressors may reduce negative outcomes associated with later stress. The prairie vole is an ideal model to investigate whether early-life stress-inoculation protocols, such as brief handling or environmental enrichment, protect against social stress, given their social structure. Preliminary analyses show unexpected effects of early-life stress-inoculation protocols

### **1:30 Locomotor Effects of Vaped Delta-8-Tetrahydrocannabinol, Cannabidiol and Mixtures in Rats**

Dustin Stairs, Creighton University; Julia King, Creighton University; Claire Shinnars, Creighton University; Keegan Kalkman, Creighton University; Girogio Bacchin, Creighton University; Abbie Mollison; Miles Eckrich; Darby Durbin; Haydn Fitzgerald

Rats were vaped with Delta-8-THC and CBD and locomotor behavior was monitored. Delta-8-THC resulted in a non-significant increase in the first hour of the session, while CBD resulted in a significant increase in locomotor response. Combinations of the two drugs resulted in an additive locomotor effect compared to vehicle.



### **1:45 Right Fusiform Volume Predicts Reading Vocabulary and Comprehension**

Hannah Travis-Judd, Southern Illinois University in Carbondale; Michelle Y. Kibby, Southern Illinois University at Carbondale; Kathleen Czyzewski  
Total right fusiform gyrus volume predicted passage comprehension and vocabulary skills, whereas the right anterior fusiform predicted only passage comprehension. Unexpectedly, right anterior fusiform did not predict vocabulary, and no left fusiform regions were significant. Unexpected results may relate to differences from previous task demands or in neural methodology.

### **2:00 Physiological and Cognitive Predictors of Pilot Performance**

Jessica Van Bree, University of North Dakota; Bradley Hoffmann, University of North Dakota; Hamed Taheri Gorji, University of North Dakota; Kouhyar Tavakolian, University of North Dakota; Nicholas Wilson, University of North Dakota; Thomas Petros, University of North Dakota  
Measures of electroencephalography were obtained during a live flight while participants flew a uniform scenario. The pilot's deviations from assigned altitudes, heading, airspeed and other parameters were noted. Measures of mental rotation ability and vocabulary were obtained. The predictive power of individual cognitive measures and physiological measures will be discussed.

## **Applied Cognition**

Fri 1:00PM - 2:50PM

Salon 12

Moderator: Robert West, DePaul University

### **1:00 Aging in a Fake News Era**

Nadia Brashier, Purdue University

Older adults shared the most fake news during the 2016 U.S. election. While it is tempting to blame cognitive declines, some processes involved in judging truth remain intact or even improve with age. Interventions should also consider older adults' shifting social goals and gaps in their digital literacy.

### **1:30 Self-Validation Processes Affect Performance In Academic and Social Settings**

Lorena Moreno, Universidad Autónoma de Madrid; Pablo Brinol, Universidad Antonoma Madrid; Richard Petty, Ohio State University, Columbus; Beatriz Gandarillas, Universidad Autónoma de Madrd  
Confidence can have opposite effects on performance depending on the thoughts in a person's mind. Rather than being inherently beneficial,

confidence can increase performance in some cases (e.g., when people have positive performance-relevant thoughts, beliefs), but decrease performance in other cases (e.g., when confidence validates negative performance-relevant thoughts, beliefs).

### **1:45 Detecting and Correcting Errors to Improve Learning Outcomes**

Noor Elagha, University of Illinois at Chicago

Learning from errors has proven to improve learning outcomes, but there could be factors that maximize the benefit. This study compared learning benefits of detecting and correcting errors versus only observing indicated errors. Preliminary findings suggest differential effects of perceived effort on the relative efficacy of the learning interventions.

### **2:00 Development of the Acquired Sexual Knowledge Questionnaire: A Multidimensional Measure**

Alexandra Kriofske Mainella, Marquette University; Bianca Tocci, Marquette University; Craig Miller, Marquette University

This session will report preliminary psychometric data for the Acquired Sexual Knowledge Questionnaire (ASKQ) using data from students in a regional public middle or high school (to date, N=215) after participation in sexual health education curriculum. Implications for research, sexual health education, and clinical practice will be discussed.

## **Diverse Women and Mental Health**

Fri 1:00PM - 2:50PM

Salon 01

Moderator: Deborah Miller, Indiana University East

### **1:00 Improving Black Women's Mental Health: What Therapists Should Know and Do**

Donna Baptiste, The Family Institute at Northwestern University

Black women celebrities have been encouraging Black women to seek mental health services. Black women are heeding these calls, using psychotherapy services at high rates than previously. The reality is that many Black women will begin psychotherapy with providers of different racial/ethnic backgrounds than themselves. This talk offers guidelines on what therapists should know and do to build strong alliances with their Black female clients and to serve them well

### **1:30 The Lived Experience of Indian American Mothers**

Isha Mahajan, The Chicago School of Professional Psychology

The study utilized a phenomenological approach to address the gap in research highlighting the lived experiences of Indian American mothers.

Through semi-structured interviews with first and second-generation women, the study describes the internal and external processes experienced during motherhood. This study also suggests implications for culturally informed clinical interventions.

### **1:45 Sexual Violence, Antibisexual Stigma, and Suicidality among Bisexual Women**

Selime Salim, Miami University; Terri Messman, Miami University

We tested a theory-driven model of suicidality among bisexual women, integrating experiences of sexual violence, bisexual minority stress, and Interpersonal Theory of Suicide (IPTs) factors. Our results indicated that the relation between antibisexual stigma and suicidality was explained via internalized binegativity, expectations of rejection, and subsequent perceived burdensomeness.

## **Implicit Bias**

Fri 1:00PM - 2:50PM

Chicago

Moderator: Geoffrey Durso, DePaul University

### **1:00 Getting People to Recognize When They Are the Beneficiaries of Bias**

Emily Zitek, Cornell University; Laura Giurge, London Business School; Isaac Smith, BYU

People often fail to notice when they are the beneficiaries of bias such as favoritism. In a series of studies, we find that the presence of a salient victim who was harmed by the bias helps the beneficiaries "snap out of it" and recognize and speak up about the bias.

### **1:30 A Meta-Analysis of the Effects of Behavioral and Nonbehavioral Primes**

Wenhao Dai, University of Illinois Urbana-Champaign; Dolores Albarracín

Our meta-analysis revealed a moderate effect of the incidental priming of behavioral concepts and ideas on behavioral outcomes. Moreover, our synthesis showed a clear mechanical difference between behavioral priming and idea priming, such that behavioral priming is more goal-mediated and idea priming is more perceptual.

### **1:45 Raising Awareness and Motivation to Self-Regulate Bias**

Elisabeth Noland, Purdue University; Laura Hildebrand, Purdue University; Margo Monteith, Purdue University; Patricia Devine, University of Wisconsin-Madison

We examined possible awareness raising and motivating effects of completing the Implicit Association Test (IAT). Across two studies, results suggest that the racial IAT can increase bias acknowledgement, negative self-directed affect, and motivates self-regulation among participants for whom being nonprejudiced toward Black people is more internalized.

### **2:00 The IAT as Intervention? Promoting concern about implicit prejudice**

Jennifer Goetz, Centre College; Jayla Johnson, Centre College; Gabby Romines, Centre College

How do we get people to care about their implicit racial bias? **In a weeklong experiment, we test how individual responses to computerized education about racial implicit bias are influenced by individualized feedback on the Implicit Association Test and motivations to control prejudice. Implications for bias trainings are discussed.**

### **2:15 Historical Roots of Implicit Bias: Evidence Based on the Bias of Crowds Theory**

Heidi A. Vuletich, Indiana University Bloomington

Implicit racial bias remains widespread, even among individuals who explicitly reject prejudice. One reason for the persistence of implicit bias may be that it is maintained through structural inequalities that change slowly. We trace geographical differences in implicit bias to slavery and the Great Migration.

## **Group Harm and Help**

Fri 1:00PM - 2:50PM

Salon 05/08

Moderator: Colleen Stevenson, Muskingum University

### **1:00 How Threat, Apathy, and Antipathy Influence Intergroup Harm**

Sa-kiera Tiarra Jolynn Hudson, Yale University

I will discuss the antecedents and consequences of empathy and schadenfreude in intergroup conflicts. I provide evidence that people's proclivity towards group competition motivates feeling less empathy and more schadenfreude towards outgroups and low-status groups. Further, these

emotions explain when individuals support policies that either help or harm groups.

### **1:30 Intergroup Sensitivity to Criticism: Identity Protection or Conversational Norms?**

Sean McCrea, University of Wyoming; C.J. Erion, University of Wyoming; Lukas Thürmer, Paris Lodron University Salzburg

Criticism is necessary for groups to evolve and adapt, making it problematic that criticism is received differently based on the source of that criticism (Hornsey et al., 2002). The present study investigated why the targets of criticism and bystanders to the criticism punish intergroup criticism more than intragroup criticism.

### **1:45 Effects of a superordinate goal and identity on outgroup helping**

Emily Budde, Loyola University Chicago; Morgan McHose, Loyola University Chicago; Robyn Mallett, Loyola University Chicago; R. Matthew Montoya, University of Dayton

When a superordinate goal and a superordinate identity were manipulated in a minimal group setting, the presence of a superordinate goal (cooperation) formed higher outgroup helping behavior than the absence of a superordinate goal (competition), while the presence (vs. absence) of a superordinate identity did not play a role.

### **2:00 Inter-ethnic Ideology as Predictors of ALM and BLM**

Brier Gallihugh, Ohio University; Kimberly Rios, Ohio University

This research presents multiple predictors (i.e., assimilation and multicultural beliefs) of support (albeit with mostly differential directionality) for both the Black Lives Matter movement as well as the All Lives Matter movement. Mixed evidence also suggests that colorblindness may differentially predict support for ALM and BLM. Additional research is also discussed

### **2:15 Identification and Outrage toward the NBA after Black Lives Matter**

Nicky Lewis, University of Kentucky; Sai Datta Mikkilineni, University of Alabama; Kenon Brown, University of Alabama

We examined how league and political identification influence moral outrage toward the NBA after sponsoring Black Lives Matter. Survey results determined that Democrats' commitment to the NBA and sense of political superiority inversely affected outrage toward the league. For Republicans, political superiority directly affected outrage toward the league.

## Political Psychology

Fri 1:00PM - 2:50PM

Salon 06/07

Moderator: Helen C. Harton, University of Northern Iowa

### **1:00 Nudging Attention to Inequality**

Hannah Waldfogel, Northwestern University

The present research examines how an individual's political ideology (and the extent to which they support group-based inequalities) shapes the effectiveness of interventions aimed at increasing naturalistic attention to inequality.

### **1:15 Fanning the Flames: Donald Trump, Voter Fraud, and Electoral Distrust**

Ashley Worley, Texas Tech University; Zachary Hohman, Texas Tech University

A longitudinal study assessed changes in electoral trust related to the 2020 election. Results indicated Democrats increased trust in the election results while Republicans exhibited reduced trust from pre- to post-election. A serial mediation found Republican's support for Trump increased perceptions of voter fraud, and reduced trust in the election.

### **1:30 Opposition to Political Correctness and Attitudes about Confederate Statues**

Mason Burns, University of Indianapolis; Erica Granz, University of Indianapolis

Four studies investigated opposition to political correctness and support for Confederate statues. Opposition to political correctness (PC) – particularly among political conservatives – predicted Confederate statues above-and-beyond other predictors (i.e., anti-Black bias). Furthermore, anti-PC attitudes were applied in an unprincipled way, and deployed strategically to support some, but not all, controversial

### **1:45 The Effect of False Feedback on Political Identification and Wellbeing**

Thomas DeRossett, Saint Louis University; Richard Harvey, Saint Louis University

Group identification satisfies belonging and distinctiveness, establishes ingroup preference, and encourages outgroup derogation. It also provides a buffer for those experiencing discrimination via immutable identities (e.g., race and gender). The current study examines the impact of false feedback

(positive or negative) on the mutable political identity, community engagement, and wellbeing.

### **2:00 To Defund or Not: Ideological Polarization on Police Reform may be Exaggerated**

Nancy Bartekian, DePaul University; Christine Reyna, DePaul University  
During the 2020 BLM protests, liberals and conservatives appeared polarized regarding police reform. In a representative sample of US adults, we found that, despite significant effects of ideology, liberals and conservatives agreed more than disagreed about which police reform policies they want. Results suggest that polarization might be exaggerated.

### **2:15 Blame Judgements for Past Actions of Groups**

Shree Vallabha, Michigan State University; Jonathan Doriscar, Knox College; Mark Brandt, Michigan State University

Do people blame current groups for actions of past members and what psychologically underlies those judgements? We find that perceiving (a) connectedness between past and present perpetrator groups, (b) unfulfilled obligations of perpetrator groups, (c) continued privilege of perpetrator groups, and (d) continued harm of victim groups explains this phenomenon.

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**Invited Workshops**

**Navigating Journeys through Open Science Initiatives**

Jon Grahe  
Pacific Lutheran University

Fri. 1:00PM – 2:50PM

Salon 03

This workshop will navigate three topics related to open science initiatives: (a) employing them as course-based undergraduate research experiences; (b) relating them to justice, equity, diversity, inclusion, and sustainability; and (c) communicating them in the reporting process. Attendees will learn how leveraging these tools augments their workflow and benefits science..



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## Clinical and Developmental Poster Session I

Fri 1:00PM - 2:50PM

Upper Exhibit Hall

### **1 Substance Use Stigma Correlates Among Justice-Involved Women**

Matt Webster, University of Kentucky; Martha Tillson, University of Kentucky; Michele Staton, University of Kentucky

Three types of substance use stigma (enacted, anticipated, and internalized) and their associations with factors related to treatment and recovery success (social support, recovery capital, and resilience) were examined in a sample of justice-involved women with substance use history. Different correlation patterns were found for each stigma type.

### **2 The Moderating Role of Self-Compassion on Alcohol-Related Change**

Carlos Vidales, Iowa State University; Evan Moon, Iowa State University; David Vogel, Iowa State University

Alcohol-related problems strongly predict pre-contemplation for change, however, these problems only weakly predict acting to change. Self-compassion is strongly associated with cessation of alcohol misuse. Therefore, the purpose of this study is to examine the possible moderating effect of self-compassion on the relationship between alcohol problems and readiness to change.

### **3 Post-Traumatic Growth, Stress, and Impulsivity in Daily Life**

Megan St. Pierre; Silas Vermilya, Indiana Wesleyan University; Nathan Brooks, Indiana Wesleyan University; Cole Marvin, Indiana Wesleyan University; Jake Lively, Indiana Wesleyan University; Isaac Alsup, Indiana Wesleyan University; Jason Runyan, Indiana Wesleyan University

We used experience sampling to examine stress and impulsivity in relation to post-traumatic growth (PTG), and perceived social support, among those recovering from addiction. We found positive within-person associations between PTG factor scores and perceived social support, and negative within-person associations between PTG factor scores and stress and impulsivity.

### **4 Effects of Estradiol on Cocaine-Induced Locomotion in Male Japanese Quail**

Lauren Chatfield, Centre College; Elsie Mead, Centre College; Karin Gill, Centre College

The administration of estradiol was found to enhance cocaine-induced locomotor activity in male Japanese quail. This implies that behavioral sensitization to cocaine may be due to the aromatization of testosterone into estradiol, rather than testosterone itself.

### **5 Video Gaming and Alcohol Use in College Students During COVID-19**

Mariah Ravet, University of Minnesota-Duluth; Emily Schulz, University of Minnesota Duluth; Kristen Jones, University of Minnesota Duluth; Rebecca Gilbertson, University of Minnesota -- Duluth

College student alcohol and video game characteristics were assessed with quantity and frequency measures prior to, and during, the COVID-19 pandemic. Gaming hours per day, gaming frequency per week, and prevalence of binge gaming increased. Mental health predicted gaming symptoms. Alcohol consumption and consequences remained unchanged during the pandemic.

### **6 Assessing the Dose-Dependent Effects of Ethanol in Japanese Quail**

Mia Radevski, University of Kentucky; Shannon Eaton, Arizona State University; Chana Akins, University of Kentucky

A conditioned place preference procedure was used to assess the motivational properties of ethanol. Quail showed a dose-dependent place preference for a low dose of ethanol and an aversion for a high dose, suggesting that quail may be a beneficial model to study the rewarding and aversion properties of alcohol.

### **7 Ethanol Induced Conditioned Place Preference in Japanese Quail: Pilot Study**

Jamie DiCarlo, Slippery Rock University; Danika Beers, Slippery Rock University; Beth Ann Rice, Slippery Rock University

It is important to understand the cue relationship to alcohol consumption, as cues in the environment have been shown to increase the probability of relapse. The current study utilized quail in a discrete cue, ethanol CPP paradigm. Preliminary results indicate a possible aversion to ethanol (1g/kg) in the current experiment.

### **8 Beliefs and Coping with COVID-19: Data from a Midwestern University**

Stephen Berry, Southern Illinois University Carbondale

As part of the Beliefs and Coping with COVID-19 Project (Psi Chi's Network for International Collaborative Exchange), the present study involved analyzing 254 Midwestern U.S. university students. Overall, mental health

concerns and psychological quality of life significantly accounted for explained variance in different coping techniques (e.g., positive reframing, substance use).

### **9 Co-Rumination and Chronic Low Back Pain: The Role of Attachment**

Yixin Yang, Ohio University; Mischkowski Dominik, Ohio University  
Rumination is considered detrimental for individuals' well-being. However, the effects of co-rumination on CLBP outcomes remain unknown. This study expands our knowledge by showing that co-rumination was positively associated with CLBP severity and interference, and that the positive relationship of co-rumination with CLBP outcomes was exacerbated for anxiously attached people.

### **10 Abnormal Cytokine Expression among Youth with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome**

Karl Conroy, DePaul University; Mohammed Islam, Chicago State University; Caroline Gaglio, Adler University; BEN KATZ, Ann & Robert H. Lurie Children's Hospital of Chicago; Leonard Jason, DePaul University  
Myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) is a chronic illness without known biological markers. In a community-based sample of youth with the illness, we found evidence of abnormal cytokine networks compared to controls. These findings could support the development of an improved diagnostic criteria for ME/CFS.

### **11 Hypersensitivities in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome and Multiple Sclerosis**

Kensei Maeda, DePaul University; Mohammed Islam, Chicago State University; Karl Conroy, DePaul University; Leonard Jason, DePaul University  
Little research has explored hyperacusis and photophobia in chronic illnesses like myalgic encephalomyelitis/chronic fatigue syndrome and multiple sclerosis. Multivariate analyses reveal differences between the illnesses that provide support for further consideration of these hypersensitivities in ME/CFS case definitions.

### **12 Men's Depression Literacy: Examining Masculinity and Risk Perceptions**

Jacob Robbins, University of Tennessee at Chattanooga; Ruth Walker, University of Tennessee at Chattanooga  
We examined the influence of men's traditional and alternative masculinity types on depression literacy while investigating the role of depression risk

perceptions. We observed a negative relationship between traditional masculinity and depression literacy; depression risk perceptions explained additional variance. Finally, we found a positive relationship between alternative masculinity and literacy.

### **13 Higher depression scores are associated with increased cardiovascular disease prevalence**

Albert Botchway, Southern Illinois University School of Medicine

Data from the SPRINT hypertension trial was used to examine whether participants with depression have increased odds of suffering a CVD event. The association was found to be significant but small after adjusting for covariates. This is a promising area for research, given the importance of mental and cardiovascular health.

### **14 Motivation and Psychological Needs in Partners of Persons with Pain**

Jessica Springer, Illinois Institute of Technology; Brian Cerny, Illinois Institute of Technology; Jenna Ausloos-Lozano, Illinois Institute of Technology; Vanalyn Quichocho, Illinois Institute of Technology; Melissa Ivins-Lukse, Illinois Institute of Technology; Eun-Jeong Lee, Illinois Institute of Technology

This study seeks to evaluate predictors of needs satisfaction among people who are partners of individuals with chronic pain. A three-block hierarchical regression analysis was conducted to predict total needs satisfaction (TNS) with demographics, motivation to help (MTH) and pain catastrophizing. Our results are consistent with social-determination theory and support an association between MTH and TNS.

### **15 Predicting Physical Symptoms in Emerging Adults who Identify as Disabled**

Dustin Shepler, Michigan School of Psychology; Mackenzie Tresnak, Michigan School of Psychology; Christopher Corbin, Michigan School of Psychology

Results from analysis of the EAMMi2 dataset (Grahe et al., 2018) indicated that self-efficacy, mindfulness, and perceived stress each uniquely added to the prediction of physical symptoms reported by emerging adults who identified as disabled; social support did not predict physical symptoms. Implications for psychotherapeutic intervention are discussed.

### **16 A Multisite Survey of Health-related Behaviors Before and During COVID-19**

Amber Henslee, Missouri University of Science & Technology; Julia

McIntyre, Missouri University of Science and Technology; Cade Long, Missouri University of Science and Technology  
Data are presented from a multisite survey of college student health-related behaviors (N=1,580 participants from 8 universities). Differences from before and during universities' responses to COVID-19 are presented including responses from LGBTQ+ participants.

### **17 Health Risk Perception and Barriers of Lifestyle Decisions**

Brittany Nelson, Michigan Technological University; Erich Petushek, Michigan Technological University; Sara Teising, Michigan State University  
College of Human Medicine

Decisions to prevent diseases depend on knowledge of risk factors and perceived challenges. Results showed that, on average, individuals did not accurately assess the importance of lifestyle decisions on health risks. Results also revealed common challenges to engaging in specific lifestyle behaviors. These results are valuable for informing future interventions.

### **18 Meaning in Life Mediates the Link Between Fundamentalism and Depression**

Nilou Lueke, Ball State University; Adam Lueke, Ball State University  
Rates of depression among college students are substantially higher than those found in the general population. Meaning in life and religious fundamentalism have separately been linked to reduced depression. The present study revealed meaning in life to mediate the link between religious fundamentalism and depression among Christian college students.

### **19 Perceived Stress and Worry Mediate the Self-Compassion and Sleep Link**

Arash Assar, Ball State University; Daysha Copeland; Nya Streaty; Gabi Gonzalez; Carrisma Jackson, Ball State University; Alex Detrich, Ball State University; Alexis Jennings, Ball State University; Nilou Lueke, Ball State University

Sleep problems are prevalent among college students. Self-compassion has been shown to ameliorate sleep quality. Using a parallel mediation model, the mediating variables via which self-compassion may exert its effect on sleep quality were examined. Perceived stress and worry were found to mediate the link between self-compassion and sleep quality.

### **20 Sleep and Immune Function as Mediated by Stress and Depression**

Arash Assar, Ball State University; Courtney Shub, Ball State University; Nilou Lueke, Ball State University

Using a serial mediation model, the present investigation found poor sleep quality to predict enhanced perceived stress, perceived stress in turn predicted depression symptoms, and depression symptoms subsequently predicted impaired immune function. Results underscore the importance of college students' sleep in relation to their mental health and subsequent immune function.

### **21 Cytokine network differences in persons with myalgic encephalomyelitis/chronic fatigue syndrome**

Mohammed Islam, Chicago State University; Karl Conroy, DePaul University; BEN KATZ, Ann & Robert H. Lurie Children' s Hospital of Chicago; Leonard Jason, DePaul University

Myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) is an illness marked by severe fatigue and without a known biological marker. We found baseline immunological network differences in persons who developed ME/CFS after an infection vs. those who fully recovered. The findings have implications towards a physiological based diagnostic criterion for ME/CFS.

### **22 Psychological Predictors of COVID-19 Vaccination Status**

Adam Green, Southern Illinois University Carbondale; Conor Ely, Southern Illinois University Carbondale; Kieleha Pinkston, Southern Illinois University, Carbondale

Despite an abundance of evidence for the safety and efficacy of the vaccine, vaccination rates are stagnant, which prolongs the COVID pandemic. Mistrust in scientists, fear of COVID, and social isolation were hypothesized to predict who is likely to get, or forgo, the vaccine. Future research directions are discussed.

### **23 Relations between emotional dysregulation, emotional eating types, and disordered eating.**

Maria Kalantzis, Bowling Green State University; Wesley Barnhart, Bowling Green State University; Amy Jordan, Bowling Green State University; Aubrey Dauber, Bowling Green State University; Dara Musher-Eizenman, Bowling Green State University

Emotional regulation (ER) strategies might serve as a buffer in the relation between emotional eating types (EE-boredom, EE-anxious/angry, EE-depressed) and disordered eating (DE). Three moderation models were analyzed in community and university samples. Results suggest variance in DE was explained by ER deficits rather than by EE-types.

## **24 Psychological Needs Satisfaction Among Partners of Individuals with Chronic Pain**

Vanalyn Quichocho, Illinois Institute of Technology; Brian Cerny, Illinois Institute of Technology; Jenna Ausloos-Lozano, Illinois Institute of Technology; Jessica Springer, Illinois Institute of Technology; Melissa Ivins-Lukse, Illinois Institute of Technology; Eun-Jeong Lee, Illinois Institute of Technology

This study examined relationship satisfaction (RS) and psychological needs satisfaction (PNS) of partners of individuals with chronic pain. A 3-block hierarchical regression revealed that Autonomy and Relatedness PNS is associated with increased RS and Competence PNS is negatively associated with RS.

## **25 Dissonance Affect as a Possible Function of Mindful Induction Placement**

Imer Arnautovic, Howard University; Lloyd Reynolds Sloan, Howard University

Participants wrote high (vs. low) counterattitudinal arguments before (after) mindful (vs. mind-wandering) inductions and reported their affect. Compared to mind-wandering controls, mindful participants reported reduced high-choice discomfort when the induction followed writing but increased contentment when the manipulations were reversed, suggesting possible cognitive and affective interpretations.

## **26 Racial/Ethnic Differences in Complementary and Integrated Health Use**

LeeZa Ong, Marquette University; Karisse Callender, Marquette University  
To examine the use of complementary and integrative health (CIH) among racially or ethnically individuals with mental illness. Secondary data analysis of the 2017 National Health Interview Survey was conducted. Evidence of several disparities by race/ethnicity and their CIH use are shown, and the implications are discussed.

## **27 Postpartum depressive symptoms, partner support, and breastfeeding self-efficacy**

Erin Henshaw, Denison University; Emily Willson, Denison University

This study evaluated relationships among breastfeeding self-efficacy, depressive symptoms, and partner support in the early postpartum period. 200 new mother/partner pairs from midwestern hospitals completed surveys in the days postpartum. Significant negative correlations were found

between partner support and breastfeeding self-efficacy and depression, anxiety, and stress.

### **28 Augmented Reality: The Future of Anxiety & Phobia Treatment**

Kaitlyn McCarthy, Eastern Michigan University; Dana Manning, Eastern Michigan University; Madison Hannapel, Eastern Michigan University; Warner Myntti, Eastern Michigan University; Joseph Tu; Ellen Koch, Eastern Michigan University

While exposure therapy is the standard for specific phobia and anxiety treatment, *in vivo* and virtual reality methods entail many limitations. Augmented reality offers an improved approach. The current study outlines the advantages and demonstrates the potential effectiveness of augmented reality exposure treatment in reducing specific phobia symptoms.

### **29 Psychotropic medications differentially influence affective autonomic and subjective reactivity**

Taylor Stergar, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

We tested the unique effects of SSRIs, SNRIs, anxiolytic, and stimulant medication on affective reactivity to hedonic and dysphoric mood induction procedures via well-validated films in an adult sample. Distinct physiological response profiles emerged between psychotropic drug classes that may suggest diverging mechanisms of these drugs' therapeutic effects.

### **30 Predicting Worry, Perseveration, and Cognitive Failure with Executive Functioning**

Hajar Ismail, Roosevelt University; Jessica Lanctot, Roosevelt University; John Rossing, Roosevelt University; Max Obolsky, Roosevelt University; Tianna Vozar, Roosevelt University; Jessica Paxton, Roosevelt University

Our study clarified what executive functioning (EF) tests predict different aspects of adult psychological distress: worry, perseveration, and cognitive failure. Regression analyses showed that trait anxiety predicted all three, but without trait anxiety as a covariant, EF only predicted worry. Future research should examine this mediating role of trait anxiety.

### **31 Distinct Motivations Explain Associations between OCD and Pathological Personality Traits**

Thu Nguyen, Knox College; Myrissa Le, Knox College; Antonio Ramirez, Knox College; Jon Schneider; Sara O'Brien, Knox College

OCD symptom dimensions have differential relations with pathological personality traits. Distinct motivations theorized to underlie OCD symptoms



may explain these differences. This study examined the unique role of harm avoidance and incompleteness in explaining the associations between specific OCD symptom dimensions and maladaptive personality traits.

### **32 History of Chronic Illness, Psychological Attachment, and Current Symptoms of Emotional Distress.**

Terry Chi, Bethel University; Jenna Kitchenmaster, Seasons Center for Behavioral Health

Students of faith participated in an online study. Results showed history of health problems negatively impacted attachment security and insecure attachment was associated with higher levels of internalizing symptoms. Implications of findings for communities of faith and people with chronic health problems were discussed.

### **33 Examining Emotional Functioning, Anxiety and Somatization, Before and During COVID-19**

Sharon Song, Marquette University; Thomas Donahue, Marquette University; Ashley Schultz; Mary Simons, Marquette University; Mary Tait, Marquette University; James Hoelzle, Marquette University

The current study investigated differences in emotional functioning, specifically anxiety and somatization, between two groups of research participants: students participating before and during COVID-19. Results indicated that individuals experienced an increase in anxiety and no significant changes in health concerns during the COVID-19 pandemic.

### **34 Past Parenting and Present Criminogenic Thinking among Incarcerated Men**

Cody Carmack, Avila University; Taylor Blackburn, Avila University; Julia Butler, Avila University; Jon Mandracchia, Avila University

The current study examines the relationship between experiences being parented as children and current criminogenic thinking patterns in incarcerated men. Research packets with self-report surveys were sent to a state prison and administered by corrections staff. Results are discussed regarding potential implications for reduction of criminal offending.

### **35 Access to Academic Accommodations for Students with Disabilities over Time**

Sophie Bittner, Denison University; Robert Weis, Denison University  
Academic accommodations (e.g., additional time, separate room testing) allow students with disabilities equal access to educational opportunities. Over the past 12 years, however, accommodations have been increasingly and

disproportionately granted to students attending America's most selective and expensive colleges whereas access to students at community colleges has remained low.

### **36 Parental Literacy and the Readability of Pediatric Neuropsychological Reports**

Meagan Hoffman, The Chicago School of Professional Psychology  
There is a lack of research on the readability of pediatric neuropsychological reports and parental literacy. This study investigated the reading grade level of pediatric neuropsychological reports and compared the results with the recommendations about adult literacy from previous literature to discuss ways to improve the readability of these reports.

### **37 Mental Health stigma and Willingness to Use Mental Health Apps: The Role of Inflexible Responding**

Jessica Criddle, Murray State University; Brooke Short, Murray State University; Michael Bordieri, Murray State University  
Barriers to seeking help for mental health difficulties include stigma, suggesting self-help methods may be useful. Relations between stigma concern, willingness to use mental health apps, distress, psychological flexibility and inflexibility were examined. Stigma concern negatively predicted willingness to use mental health apps and positively predicted inflexibility. Implications are discussed.

### **38 Comparing Predictive strength of Measures of Mindfulness and Self-Compassion**

Anika Paulson, Western Illinois University; Robert C Intrieri, Western Illinois University  
This study explored predictive strengths of two mindfulness scales, MAAS (Brown et al., 2003) and FFMQ (Baer et al., 2008), and a self-compassion scale, SCS-SF (Raes et al., 2011) for stress and anxiety. Predictive strength was analyzed using multiple regressions. Results have implications for future research studying mindfulness and self-compassion.

### **39 Cultural Competence in Health Service Psychology Trainees During Predoctoral Internship**

Heather Terhorst-Miller, University of Wisconsin-Stout; Tatiana Bakken, University of Wisconsin-Stout; Chloe Bachman, University of Wisconsin-Stout  
Psychology intern cultural competence was measured at the beginning and end of the internship year. Counseling Psychology interns self-reported

greater cultural knowledge compared to Clinical Psychology interns. There were no differences between racial/ethnic minority groups, nor was there significant change in cultural competence across the internship year.

#### **40 COVID-19 Changes in Relation to Body Esteem and Disordered Eating**

Kaila Beaumier, University of Wisconsin - Parkside; Erin Hillard, University of Wisconsin Parkside

We assessed the relationship between COVID-19 body-image concerns, disordered eating, and body esteem in college women. Results indicated concerns over weight and body image changes during COVID-19 predicted reduced body esteem and increased restricted eating and fat-talk, while increased physical activity predicted increased body esteem and reduced fat-talk.

#### **41 Psychometric Validation of three interparental conflict scales**

Chao Liu, Cedarville.edu; Scott Plunkett; Jesse Oliver; Kaysi Morris; Stacey Barrett

This is a confirmatory factor analysis on three scales related to interparental conflicts. Using an ethnically-diverse sample, this study further validates the psychometric properties of the three scales across families with different structures.

#### **42 Korean WISC–V Structural Validity: CFA Based Higher-Order and Bifactor Models**

Gary L. Canivez, Eastern Illinois University; JungSu Oh, Eastern Illinois University; Juyeon Lee, Chung-ang University

CFA with the K-WISC–V standardization sample ( $N=2,257$ ), like HEFA, failed to support a Fluid Reasoning factor and higher-order and bifactor models with four group factors fit data well. General intelligence accounted for substantially larger portions of variance than the four group factors which accounted for poor unique measurement.

#### **43 Korean WISC–V Structural Validity: Hierarchical Exploratory Factor Analyses**

Gary L. Canivez, Eastern Illinois University; JungSu Oh, Eastern Illinois University; Juyeon Lee, Chung-ang University

Hierarchical EFA failed to identify separate K-WISC–V Visual Spatial and Fluid Reasoning factors with the standardization sample ( $N=2,257$ ). General intelligence accounted for substantially larger portions of subtest variance

than the four first-order group factors, which accounted for poor unique measurement. Thus, primary interpretation should be of the FSIQ.

#### **44 Error-Monitoring and Processing Speed Effects on Dot Counting Test Performance**

Amanda Wisinger, The Chicago School of Professional Psychology; Ka Yin Phoebe Tse, The Chicago School of Professional Psychology; Zachary Resch, University of Illinois at Chicago School of Medicine; Jason Soble, University of Illinois at Chicago; Kyle Jennette, The University of Illinois at Chicago School of Medicine

The Dot Counting Test (DCT) is a performance validity test that relies on both accuracy and speed to evaluate test engagement, however the differential impact of processing speed and executive functioning on DCT performance is not directly assessed. This study investigated these relationships in a mixed adult neuropsychiatric outpatient sample.

#### **45 Convergent validity of the Attachment to Material Objects Scale**

David Bishop, Luther College; Courtney Cooper, Luther College  
Using attachment theory (Bowlby, 1969) as a guide, we developed and structurally validated a new scale (Attachment to Material Objects Scale) for measuring psychological attachment to material objects. In the present study, we report that total scores on the ATMOS are associated with problematic attachment dynamics and materialism (convergent validity).

#### **46 Relationships between behavioral decision making tasks**

Jarrett Rardon, The Ohio State University; Sophia Mustric, The Ohio State University; Conor Wince, The Ohio State University; Piper Clark, The Ohio State University; Jennifer Kowalsky, The Ohio State University at Newark; Brad Okdie, The Ohio State University; Melissa T Buelow, The Ohio State University

Previous research suggests there are few correlations between different behavioral decision making tasks, with limited investigation of test-retest reliability. We provide evidence of strong test-retest reliability for the BART but not Risky Gains or Beads tasks. The BART and Risky Gains appear to assess an overlapping aspect of decision making.

#### **47 Orthorexia Nervosa: Scale Development of a Newly Recognized Eating Disorder**

Alexa Resetar, Michigan School of Psychology; Caroline Callaway, Michigan School of Psychology; Diana Jasser; Kevin Keenan, Michigan School of Psychology

Orthorexia Nervosa (ON) is an emerging diagnosis in the field of eating disorders relating to extreme healthy living. In response to a need for a sound psychometric measure to assess for ON, the Healthy Lifestyles Questionnaire was developed to assess for ON. Findings support high internal consistency of the measure.

#### **48 The Development of the Relationship Sustainability Scale**

Paul Farley, Michigan School of Psychology; Stacy Nuar, Michigan School of Psychology; LaSondra Wayne, Michigan School of Psychology

The primary purpose of this study was to develop an instrument, the Relationship Sustainability Scale (RSS), that uniquely assesses monogamous relationship sustainability. The initial item pool was developed to assess three hypothesized factors: Emotional Communication ( $\alpha = .88$ ), Goal Compatibility ( $\alpha = .80$ ), and Emotional Security ( $\alpha = .77$ ).

#### **49 Garbage in, Garbage Out? Using Z-Curve to Evaluate Published Meta-Analyses**

Lukas Sotola, Iowa State University

The evidentiary value of 25 published meta-analyses was evaluated by analyzing the studies included using z-curve analysis. Results varied widely, but suggested low replicability, sizeable file drawers, the inclusion of false positives, and questionable research practices among the set of studies included in many meta-analyses.

#### **50 Evaluating a program to change participants' relationship with "addictive" technology**

Tyler Miller, South Dakota State University; Rebecca Bott-Knutson, South Dakota State University - Van D. & Barbara B. Fishback Honors College  
A University Common Read program engaged *Irresistible* (Alter, 2017) to nudge the campus community into a more conscientious relationship with technology. Evaluation efforts including a control group revealed increased comfort in mobile-phone abstinence, reduced social media activity, and increased screen-time awareness which are attributed to Common Read participation.

#### **51 Personality and Older Adults' Wellness Priorities: Moderating Role of Health**

Dugan O'Connor, Mather Institute; Jennifer Smith, Mather Institute

A sample of 601 adults, age 50 and over, participated in an online survey with measures of the Big 5 personality traits, self-reported health, and priorities for health and wellness decisions. Regression analyses revealed a negative

relationship between conscientiousness and externally-focused priorities, but only for older adults in good health.

### **52 Pre-Pandemic Distanced Communication Use Over Time in Adult Populations**

Kaleena Odd, University of Nebraska at Omaha; Sarah Hubner, University of Nebraska Omaha; Julie Blaskewicz Boron, University of Nebraska Omaha  
The purpose of this study was to examine the relationships between distanced communication and individual characteristics prior to the COVID-19 pandemic. Although distanced communication patterns did not change over time, these patterns may change because of COVID-19. This research will serve to inform interventions for populations vulnerable to isolation/loneliness.

### **53 Capitalizing on ALL the Feels: Aging and Utilitarian Emotion Regulation**

Nikolina Kravljaca, The University of Akron; Jennifer Stanley, University of Akron; Eric Allard, Cleveland State University  
We investigated age differences in hedonic and non-hedonic utilitarian emotion preference in a video game context. Young and older adults indicated which emotions they would prefer feeling to perform well in games with varying goal contexts. Both groups equally endorsed utilitarian emotions, except for sadness in the Analyze condition.

### **54 Distress About Neuropsychiatric Symptoms is Associated with Caregiver Cognition**

Victoria Obeng-Adjei, Ohio University; Anna Vanmeter, Ohio University; Mischkowski Dominik, Ohio University; Julie Suhr, Ohio University  
Caregivers of individuals with Alzheimer's disease and related dementias (IWADR) have an increased risk for potential cognitive impairment/decline. We examined the relationship of neuropsychiatric symptoms to perceived stress and cognitive functioning in caregivers of IWADR and found that caregiver distress associated with neuropsychiatric symptoms is related to caregiver cognition.

### **55 Socioeconomic Status and its Relationship to Food Choices and Priorities**

Emma Studer-Perez, Bowling Green State University; Aubrey Dauber, Bowling Green State University; Dara Musher-Eizenman, Bowling Green State University  
79 parent-child dyads completed questionnaires and a behavioral measure

analyzing food choices. Higher household income was related to selecting foods with fewer calories, sodium, and sugar, less priority on food price, and higher emphasis on convenience of preparation and mood effects when choosing foods.

### **56 College Students' Wellness and Productivity During the COVID-19 Pandemic**

Sasha Karnes, University of Wisconsin - Whitewater; Kate Ksobiech, University of Nevada, Las Vegas; Greta Wollmer, University of Wisconsin-Whitewater; Annessa Fox; Zach Gerber; Abi Baumgartner, University of Wisconsin-Whitewater

College students (n=321) self-reported moderate to high stress, mood disturbances including symptoms of depression and anhedonia, and suboptimal participation in health behaviors such as physical activity and eating breakfast during the COVID-19 pandemic. Stress and productivity were significantly inversely related. Additional attention to supporting college students' well-being is warranted.

### **57 Secure God Attachment Related to High Levels of Self-Control**

David M. Njus, Luther College; Amelia Hornseth, Luther College  
Participants (N=648) completed a measure of God attachment and two measures of self-control (general and dispositional). Analyses of variance revealed that subjects securely attached to God had higher levels of self-control than did atheists, agnostics, and theists who were insecurely attached to God.

### **58 Priorities and Preferences of Parents when Selecting Early Childhood Care**

Katrina Schmerold, Truman State University; Vivian Ou, Truman State University; Genevieve Hockett, Truman State University; Lauren Krippner, Truman State University

When selecting early childcare, parents may face difficulty in accessing programs that satisfy their priorities (e.g., cost, location) as well as their preferred characteristics (e.g., nurturing environment). In the present study, we examine the relation of parents' priorities and preferences to childcare type, parent satisfaction, and classroom quality.

## **59 Exploring the Mental Health Needs of University Student-Athletes During COVID-19**

Nate Grimm, University of Nebraska at Kearney; Krista Fritson, University of Nebraska at Kearney

Our study looks at how decreasing COVID-19 pandemic restrictions and team meetings with a psychologist affect student-athletes' mental health and reaction to playing sports. Data was collected and analyzed using two MANOVAs from 166 student-athletes from an NCAA Division-II University from the Midwest.



### **MPA Invited Presidential Address**

#### **Misinformation: Why is it a problem?**

Lisa Fazio  
Vanderbilt University

Fri. 1:00PM – 2:50PM

Red Lacquer

Moderator: Jim Wirth, The Ohio State University at Newark

Why can't people just realize when something is false and then not believe it? Dr. Fazio will discuss the cognitive mechanisms that make exposure to misinformation problematic, even when people should realize it is false. Laboratory studies demonstrate that people often fail to notice errors in what they read or hear. In addition, repetition increases belief in false statements. New naturalistic studies show that these effects occur in real-world settings and with real-world misinformation.



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## MPA AWARDS AND RECOGNITIONS

Friday, 3:00PM - 3:30PM

Red Lacquer

Moderators: Ed Hirt, Indiana University  
Michael J. Bernstein, Pennsylvania State University

**Graduate Student Paper Awards** (*please see page 17*)

**New MPA Fellows** (*please see page 18*)

### **Diversity Travel Awards**

#### **Recognitions**

Tara Macdonald

In appreciation for her service as council member (2020-2022)

Ed Hirt

In appreciation for his service as mpa president (2021-2022)

Jim Wirth

In appreciation for his service as program chair (2021-2022)

Ximena Arriaga

In appreciation for her service as mpa president (2020-2021)

Heather M. Claypool

In appreciation for her service as program chair (2020-2021)

Heather M. Claypool

In appreciation for her service as council member (2019-2021)

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## **MPA Presidential Address**

The costs of self-protection: What price are you willing to pay to preserve your self-esteem?

Ed Hirt  
Indiana University

Fri. 3:30PM – 4:30PM

Red Lacquer

Moderator: Ximena Arriaga, Purdue University

People are motivated to maintain a positive sense of self. Yet we are confronted with threats to self-esteem daily. Several self-protective mechanisms have been identified that preserve self-esteem from self-threats. This talk will focus primarily on the most paradoxical of these mechanisms, the strategy of self-handicapping. Specifically, we explore the unique costs and benefits inherent with self-handicapping that explain both its appeal as well as the personal and interpersonal challenges in its successful employment.

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## **MPA Business Meeting**

Friday, 4:30PM - 5:00PM

Red Lacquer

Moderator: Michael J. Bernstein, Pennsylvania State University - Abington

All are welcome to attend the business meeting and hear reports from the executive officer, treasurer, program moderator, convention manager, and others who serve MPA. Member feedback is welcome.

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## **MPA Local Representatives Meetings**

Friday, After Business Meeting

Red Lacquer

Moderator: Michael J. Bernstein, Pennsylvania State University - Abington

All local representatives of MPA are invited to attend this brief meeting and provide feedback regarding the conference. A list of local representatives is located in this program book. If your college/university does not have a local representative, consider attending the meeting and volunteering.

**MPA Social Hour**

**Friday 5:00PM - 7:00PM**  
**Empire Ballroom**

Please join colleagues, students, and new friends at the MPA Social Hour. All are welcome! The Empire Room is adjacent to the main lobby of the Palmer House.



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**SATURDAY, APRIL 23, 2022**

Registration in Exhibit Hall 8:00AM – 12:00PM

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**Cognition I**

Sat 8:30AM - 10:20AM

Salon 12

Moderator: Ben Denkinger, Augsburg University

**8:30 Unsupervised Sorting and Learning of a Complex 3-Dimensional Relation**

Charles Doan, Marietta College; Ronaldo Vigo, Ohio University; Felipe da Cruz

Prior human categorization research suggests a disconnect between unsupervised sorting preferences and unsupervised learning. We discuss this disconnect and report unsupervised learning results assessing two types of multidimensional sorting behavior, including family resemblance sorting. Consequently, we show that a profile more complex than FR sorting is preferred and readily learned.

**8:45 Subjective Awareness of Cognitive Errors in Bat and Ball Problems**

Devin Burns, Missouri University of Science & Technology; Justin Onwugbufor, Missouri University of Science and Technology

In "Bat and Ball" problems, most participants substitute an easier problem and are incorrect. However, De Neys et al. (2013) found a decrease in confidence, implying some awareness. In this replication plus extension we found no confidence drop for most participants, with the average being driven by a few large outliers.

**9:00 Latent risk behaviors predict model-based control**

Kyle LaFollette, Case Western Reserve University

Most choices are either habitual and reflexive, or thoroughly planned and deliberate. Reinforcement learning formalizes these approaches as model-free

and model-based strategies, respectively. We tested whether individual differences in risk behavior modulate the propensity for model-based strategy. Indeed, we found this modulation was driven by differences in risk-learning and tolerance.

**9:15 Humans exhibit differences in route efficiency when navigating environmental space**

Jenna Osterlund Oltmanns, Northern Illinois University; Philip Blankenship, Lewis University; Ashley Blackwell, Northern Illinois University; Ericka Schaeffer, Northern Illinois University; Thomas Pingel, Virginia Tech; Douglas Wallace, Northern Illinois University

Maintaining spatial orientation is fundamental for animal survival. The current study evaluated movement organization in humans across two midwestern campuses. Consistent differences in outward versus homeward trajectories emerged. These results demonstrate that humans spontaneously produce a more efficient homeward path when navigating environmental space.

**Implications of Technology for Social Behavior**

Sat 8:30AM - 10:20AM

Salon 05/08

Moderator: Julie Eyink, University of Southern Indiana

**8:30 What happens on social media stays on social media? Social media use and risky substance use.**

Saleem Alhabash, Michigan State University

This talk reviews collaborative research investigating how exposure to, generation of, and engaging with user-generated and advertising content promoting the use of alcohol and cannabis influence offline behaviors and intentions regarding use and overuse of these regulated substances, using self-report, psychophysiological, and big data measures. Social, policy, and health implications are discussed.

**9:00 The Development of a State Fear of Missing Out Measure**

Alex Holte, University of North Dakota; Richard Ferraro, Univ. North Dakota

Across two studies, the current project outlines the development and validation of a State-Fear of Missing Out (S-FoMO) measure. Convergent validity was established, as S-FoMO was correlated with Trait FoMO and related constructs. Future work can use this scale to study the antecedents of S-FoMO severity and its impact.

### **9:15 Development and Validation of the Pseudo-rationalism Scale**

Eros DeSouza, Illinois State University; Han Jung, Hallym University, Gangwon-do, South Korea; Joe Hilgard, Illinois State University

We created a short and reliable scale of pseudo-rationalism as a useful tool to study rigid ideology worldwide. Although our preliminary findings appear encouraging, future revisions are necessary to improve the validity of this scale.

### **9:30 Gateway conspiracy theories: A trigger for increases in conspiracist ideation**

Javier Granados Samayoa, The Ohio State University; Courtney Moore, The Ohio State University; Benjamin Ruisch, Leiden University; Shelby Boggs, The Ohio State University; Jesse Ladanyi, Ohio State University; Russell Fazio, The Ohio State University

Although prior research has shed light on the variables that concurrently predict people's level of conspiracist ideation, the processes by which increases in conspiracist ideation occur have yet to be thoroughly investigated. We find that believing specific COVID-19 conspiracy theories prospectively predicts increases in general conspiracist ideation six months later.

### **9:45 The Relationship Between Extroversion and Social Adaptability**

Esha Naidu, State University of New York at Buffalo; Elaine Paravati Harrigan, Hamilton College; Shira Gabriel, SUNY Buffalo

How did extroverts cope with COVID-19-related social distancing guidelines? Extroverts used more nontraditional social strategies (collective effervescent experiences, social surrogates, and video-chatting) during the pandemic, specifically when other options were limited. This helped them to maintain happiness during the pandemic. Extroverts may be highly adaptable to different social circumstances.

## **College Student Adjustment**

Sat 8:30AM - 10:20AM

Salon 01

Moderator: Dinah Meyer, Muskingum University

### **8:30 Associations between Parental Rejection and Alcohol Misuse among College Students**

Carlos Vidales, Iowa State University

Consequences from alcohol use continue to significantly impact college students. Research has implicated the role of parental alcohol use and

rejection on adult alcohol use, with self-esteem and self-compassion as possible mediators. The purpose of this research is to examine these processes to predict alcohol misuse among college students

### **8:45 Perfectionistic Individuals' Experiences of Childhood Performance Messaging Qualitative Pilot Study**

Jessica Rohlfsing Pryor, Northwestern University; Taiz Garcia, Northwestern University; Jack Leahy, Northwestern University

It is likely that a broad base of social factors inform maladaptively perfectionistic thoughts and behaviors. Using qualitative semi-structured interviews with elite university students, this comprehensive investigation of childhood performance messaging revealed that perfectionistic message sources come from each of the four levels of Bronfenbrenner's ecological model of human development.

### **9:00 The Effects of Acculturation on Saudi Students' Mental Health**

Tahani Aljuaid, Andrews University

This study examined the mental health of Saudi students who have scholarships in the U.S. Saudi students' mental health as measured by the combination of self-esteem, depression, and perceived social support have been affected by what acculturation strategies they use (separation vs. assimilation and integration vs. marginalization).

### **9:15 Avoidant Coping Mediates the Relationships Between Expectancies and Psychological Distress**

Kevin Rand, Indiana University-Purdue University Indianapolis; Naheeda Ahamadeen, Indiana University-Purdue University Indianapolis; Bobby Frydell, Indiana University-Purdue University Indianapolis; Amanda Galloway, Indiana University-Purdue University Indianapolis; Abigail Mercer, Indiana University-Purdue University Indianapolis; Sarah Rogers, Indiana University-Purdue University Indianapolis

Hope and optimism are associated with greater approach coping, less avoidant coping, and less psychological distress. This longitudinal, observational study of undergraduates over the course of a semester showed that only avoidant coping mediated the link between trait expectancies and psychological distress.



## Mindsets and Gender

Sat 8:30AM - 10:20AM

Salon 02

Moderator: Tessa Benson-Greenwald, Indiana University

### **8:30 When do mindsets predict interest in a culture of growth vs. genius?**

#### **A mindset certainty perspective**

Laura Wallace, George Mason University

Despite much research finding potent effects of growth mindsets, recent work has questioned these results. Inspired by attitudes research, we present lab and field studies showing that only mindsets held with certainty predict interest in a culture that matches personal mindsets. These studies urge researchers to identify “when” rather than “whether” mindsets predict outcomes.

### **9:00 Signaling Mindsets: Identifying Behavior that Signals Teacher Growth Mindset Beliefs**

Kathryn Kroeper, The Ohio State University; Audrey Fried, Indiana University; Katherine Muenks, University of Texas at Austin; Elizabeth Canning, Indiana University; Mary C. Murphy, Indiana University

A social cognitive, mixed-methods approach (1 qualitative and 3 quantitative studies) revealed teaching behaviors that signal “teacher growth mindset beliefs” to students: (1) messages that everyone can succeed; (2) opportunities for practice and feedback; (3) responding to struggle with support; and (4) placing value on development.

### **9:15 Do Empathy Levels Influence How Individuals Perceive Neurodiverse Behaviors?**

Elizabeth Ivey, Blackburn College; Trisha Prunty, Blackburn College

Many common behaviors in autism are considered socially inappropriate by individuals who are neurotypical. In this study, respondents with higher empathy levels were more understanding of neurodivergent behaviors. By empathizing with others, society can begin to change and create environments that are safe and accepting for every mind.

### **9:30 Promoting Student Inclusion: An Evidence-Based Program for Transforming College Climate**

Laura Hildebrand, Purdue University; Margo Monteith, Purdue University; Erin P. Hennes, Purdue University; Evelyn Carter, Indiana University; Sean P. Lane, Purdue University

We developed and tested an evidence-based college orientation program concerning intergroup bias, diversity, and inclusion. Findings indicated that

the program promoted positive diversity attitudes, and motivations and intentions to regulate bias among White and Non-White students. Furthermore, the intervention protected Non-White students from concerns about belonging and intergroup interactions.

### **9:45 The Dilution of Diversity: Ironic Effects of Broadening Diversity**

Teri Kirby, Purdue University; Nicole Russell Pascual

Many organizations opt for broad definitions of diversity that focus on diversity in perspectives and skills. People of color perceived these broad definitions as diluting diversity, or detracting from the original intention of diversity initiatives, and are also less interested in organizations with a broad definition.

### **10:00 The Impact of Gender-Exclusive Language on Perceived Ostracism**

Erika Rosenberger, Miami University; Heather M. Claypool, Miami University

We conducted a high-powered, pre-registered replication of Stout and Dasgupta (2011). Our results replicated theirs fully. We further found novel evidence of process: gender-exclusive (versus inclusive) language in a job posting lowered women's job-based motivation and identification because it triggered greater perceptions of sexism, which subsequently made women anticipate ostracism.

### **10:15 Psychology Awards: Greater Recognition for Women in the 21st Century?**

Claire Etaugh, Bradley University; Teresa Barden, Bradley University; Sarah Cismesia, Bradley University; Elsa Luchsinger, Bradley University

Women now earn nearly 75% of psychology doctorates. Are these numbers commensurate with their recognition by APA? Women have improved in only 2 of 9 annual awards between 1979-1999 and 2000-2020. They also receive disproportionately fewer awards than expected by their doctoral numbers. Institutional and cultural factors likely are responsible.

## **Group Disparities**

Sat 8:30AM - 10:20AM

Salon 06/07

Moderator: Duane T. Wegener, The Ohio State University

### **8:30 The Disparate Impact of COVID-19 on Bar Exam Test-Takers**

Erin Freiburger, Indiana University; Victor Quintanilla, Indiana University; Kurt Hugenberg, Indiana University; Sam Erman, University of Southern California; Gregory Walton, Stanford University; Nedim Yel, University of Massachusetts, Boston; Anita Kim, Indiana University; Mary C. Murphy, Indiana University

COVID-19 has magnified inequalities, undermining the professional advancement of marginalized groups. For example, first-generation women had the lowest scores and passage rate on the October 2020 bar exam. We find this underperformance was mediated by pandemic-related stressors, primary caregiving roles, and working while studying, reifying the pandemic's disparate group impacts.

### **8:45 Who are we without prototypical leaders?**

Olivia Kuljian, Texas Tech University; Zachary Hohman, Texas Tech University; Amber Gaffney, Humboldt State University

When a leader experiences a loss in status, people may be unsure of the current group prototype and where they stand in relation to the prototype, prompting uncertainty. Post-election, Republicans had reduced perceptions of their leader's prototypicality compared to Democrats, which related to reduced perceptions of self-prototypicality and increased uncertainty.

### **9:00 Targets of Parasocial Relationships and the Link to Belonging**

Gabriela Pascuzzi, State University of New York at Buffalo; Jennifer Hirsch, Yale University; Shira Gabriel, SUNY Buffalo

Being a target of parasocial relationships is a new way to pursue belonging. In an undergraduate sample and a sample of former reality television contestants, people varied in motivation to be a target of parasocial relationships. This motivation was positively correlated with belonging and was distinct from desire for fame.

### **9:15 Fear of Missing Out: Racial Differences and Cross-Cultural Validation**

Scott Debb, Norfolk State University; Marnee McClellan, Norfolk State University; Katelyn Haschke, Norfolk State University

There is debate about the latent factor structure underlying the fear of missing out (FoMO) phenomenon. Despite having a widely utilized unidimensional instrument, research is inconsistent when measured across racial groups. Results focusing on African Americans indicates two components with potential differences with how FoMO is internalized across groups.

### **9:30 Predictors of Post-Election Ideological Extremism**

Joshua Brown, Texas Tech University; An Le, Texas Tech University;  
Zachary Hohman, Texas Tech University

Ideological extremism rose among some Americans following the 2020 presidential election. This study investigates if political affiliation, increased political identification, and increased support for leaders post-election predicted post-election extremism. Results demonstrated that increased leader support and political identification predicted post-election ideological extremity.

### **9:45 Urban and Rural Social Determinants of Health for Minority Youth**

Ashley Dominguez, Barry University

Indigenous Americans, Blacks, and Hispanics experience inequitable health opportunities (GSWCAH, 2018). Social determinants of health (SDOH) include economic stability, access and quality of health care and education, and community context (Healthy People 2030). Exclusive practices increase inequitable outcomes. Intersectoral action for inclusive practices is encouraged to end disparities (AH-HA!, 2017).

## **Social Processes and COVID-19**

Sat 8:30AM - 10:20AM

Salon 03

Moderator: Dorothy Ruth Jolley, Walden University alumni

### **8:30 Withstanding the Storm: Social Support Buffers Reactivity to COVID-19 Distress**

Skye Napolitano, Purdue University; Caroline Balling, Purdue University;  
Sean P. Lane, Purdue University

There was a significant, global rise in distress linked to COVID-19, especially during the initial U.S. Spring 2020 lockdown. Initial reactions and framing of threat, including increased hostile responses, predict worsened mental health long-term. Social support attenuates the association between initial hostile reactions to threat and long-term distress.

### **8:45 Emotion Networks Across Self-Reported Depression Levels During COVID-19**

Aoife Whiston, University of Limerick; Eric Raymond Igou, University of Limerick; Dónal Fortune, University of Limerick

This research estimates and compares mixed, positive and negative valence emotion networks during COVID-19 across low, moderate and high depression levels ( $N= 26,034$ ). Negative emotions prevailed, regardless of

depression level. *Love* experiences distinguished those with low (vs. high) depression. Emotion networks significantly differed in structure and connectivity across depression levels.

### **9:00 The Behavioral Immune System in the COVID-19 Pandemic**

Patrick Nebl, Elmhurst University; Quinlan Smith, Elmhurst University  
The COVID-19 pandemic provides a novel environment to test the behavioral immune system. When randomly assigned to view images of a masked or unmasked individual, participants showed greater disgust to images of an unmasked person. Additionally, across two studies, disgust response predicted preventative behaviors, such as mask wearing.

### **9:15 Maternal Gatekeeping and Division of Labor during COVID-19 in Turkey**

F. Kubra Aytac, The Ohio State University; Sarah Schoppe-Sullivan, The Ohio State University

This study examined Turkish couples' perceptions of maternal gatekeeping and the division of paid, domestic, and child care labor based on their working conditions (remotely or not) during COVID-19. Results demonstrate the persistence of gendered patterns of labor and gatekeeping in Turkish households regardless of changes in working conditions.

### **9:30 Politics, Perceived Risk, and Dating during the Time of COVID.**

Danielle Kellogg, Loyola University Chicago; Tracy DeHart, Loyola University Chicago; Julie Longua Peterson, University of New England, Biddeford; Hannah R. Hamilton, UConn School of Medicine  
Perceived risk and political ideology predicted beliefs towards social distancing and intentions to engage in COVID prevention behaviors while dating (for self and others). However, neither perceived risk nor political ideology predicted actual dating behavior. Results suggest there is a disconnect between college students' beliefs/intentions and their actual dating behavior.

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## Social Psychology Poster Session I

Sat 8:30AM - 10:20AM

Upper Exhibit Hall

### **1 Need for Cognitive Closure and Pain Promotion in Self-Improvement Products**

Alberto Barchetti, University of Cincinnati; Joshua John Clarkson, University of Cincinnati; Ashley Otto, Baylor University

The research tests how individuals' preferences for painful self-improvement products vary as a function of need for closure. Results suggest that using pain to promote self-improvement products enhances (undermines) the products' credibility and persuasiveness for individuals high (low) in need for closure.

### **2 Does Self-Affirmation Reduce Reactance?**

Isaac Lindenberg, The Ohio State University; Duane T. Wegener, The Ohio State University; Mark Matthews, The Ohio State University

We examined the causal relation between self-affirmation and reactance. Previous research suggests self-affirmation might work by reducing reactance (Shuz & Eid, 2013), though other research shows it might backfire (Nan & Zhao, 2012). Our initial results suggest self-affirmation does promote persuasion, but only in the absence of reactance.

### **3 Political Orientation Motivates Susceptibility to Misinformation**

Ian Beatty, University of Northern Iowa; Taylor Simington, University of Northern Iowa; Helen C. Harton, University of Northern Iowa

Liberal and conservative participants rated the trustworthiness of several tweets that were created based on common misinformation techniques. Participants were more likely to rate misinformation as trustworthy if its source and content aligned with their political beliefs, but other individual differences (e.g., numeracy, cognitive flexibility) were unrelated to trustworthiness ratings.

### **4 Solution Aversion and Climate Change Beliefs**

Lexy Hedgecock, University of Northern Iowa; Ian Beatty, University of Northern Iowa; Nicholas Schwab, University of Northern Iowa

In this conceptual replication of an earlier study by Campbell & Kay (2014), we examined the relationship between solution aversion and climate change

beliefs using a 2 (*political orientation: Republican or Democrat*) x 2 (*solution: threatening or non-threatening*) x 3 (*source: neutral, Republican, or Democrat*) design.

### **5 Using Social Comparisons to Reduce Resistance Towards Mental Health Information**

Chase Herndon, Kansas State University; Laura Brannon, Kansas State University

People most in need of mental health help are often the most resistant. To reduce message defensiveness, we manipulated the self-relevance of persuasive mental health messages by asking participants to imagine themselves or a personal social connection when reading a loss-framed mental health message. Results and implications will be discussed.

### **6 Tweets about Online Instruction During the First Year of COVID-19**

Hypatia Bolívar, University of Illinois at Springfield; David J. Cox, Endicott College; Darcey N. Powell, Roanoke College

How Twitter users discussed remote learning was impacted by the dramatic shift in higher education settings brought on by COVID-19. Social media sites like Twitter provide large data sets for research on public perception about emergency remote instruction. Our project capitalizes on exciting data mining techniques to analyze these perceptions.

### **7 Ideological Polarization and the BLM Protests**

Kaelan Vazquez, DePaul University; Ellie Buebendorf, DePaul University; Kara Harris, Depaul University; Christine Reyna, DePaul University  
George Floyd's death and the following protests polarized Americans' attitudes about the BLM protests. Using a representative sample, we investigated White and BIPOC attitudes towards the protests, protest intention, and authoritarian responses to the protests. Results indicated that ideology had a more powerful impact on protest attitudes than did race.

### **8 Examining the Link Between Social Exclusion and Aggression**

Leah Stampfer, Grand Valley State University; Emma Walquist, Grand Valley State University; Kristy Dean, Grand Valley State University

Prior research finds that social exclusion sometimes elicits aggression. The current study simultaneously tests four explanations for this effect. Results show that anger and self-esteem both independently mediate the exclusion-aggression relationship. Other basic needs did not emerge as mediators, and type of exclusion did not differently impact aggressive reactions.

## **9 Nostalgia Proneness Moderates the Effect of Chronic Ostracism on Meaning**

Rachel Taggart, Purdue University; Kipling Williams, Purdue University  
Ostracism increases meaninglessness. The current study indicates that nostalgia proneness reduces the negative effects of ostracism on meaning in life. The negative effect of chronic ostracism on meaning in life was weaker among those higher in nostalgia proneness. Implications suggest inducing nostalgia can boost meaning.

## **10 Mindfulness Parallels Discrimination Presumption Impacts, Equalizing White/Black Ostracizer Needs Da**

Lloyd Reynolds Sloan, Howard University; Joanna Smith, Howard University; Zachery Peters, Howard University  
213 African-American students received 15 minute mindfulness inductions, or not, and were ostracized/included by Black or White Cyberball co-players. Ostracism, versus inclusion, damaged social needs; manipulated mindfulness further polarized both outcomes with White co-players, paralleling the impact of low individual discrimination presumption, and minimizing racial ostracism outcome differences.

## **11 Is Invisibility Worth It? The Effects of Invisibility**

Eboni Bradley, Purdue University; Kipling Williams, Purdue University  
Typically viewed as negative, social invisibility may be attractive under certain circumstances. Participants were asked to imagine their actions or feelings if they were temporarily or permanently invisible. Temporary invisibility yielded more positive emotions and self-serving behaviors. Permanent invisibility led participants to report more negative emotions and self-isolating behavioral responses

## **12 The Impact of Anxiety on Xenophobia and Discrimination During COVID-19**

Joseph Rhodes, Oakland University; Kaylie Williams, Oakland University; Isabelle Teasel, Oakland University; Kanako Taku, Oakland University  
The current study examined the relationship between state anxiety, trait anxiety, health anxiety, and attitudes of xenophobia and discrimination during the COVID-19 pandemic. Results suggest that anxiety related to health concerns may be a better predictor of attitudes of xenophobia and discrimination compared to general state anxiety and trait anxiety.

## **13 Predictors of Cross-Racial Sharing Behavior in Early Childhood**

Miranda Ellis, Illinois State University; Alycia M Hund, Illinois State University; Corinne Zimmerman, Illinois State University



This study examined the influence of parent-reported prosociality, inhibitory control, and exposure to people of color on White children's cross-racial sharing behavior and preference for and expectation of help from Black others. Preliminary analyses revealed that exposure to people of color predicted a preference for Black others with marginal significance.

#### **14 Associations Among Career Exploration Self-Efficacy, Exploratory Actions, and Decisional Outcomes**

Margaret Nauta, Illinois State University

Short-term longitudinal data from 136 college students were used to test the social-cognitive model of career self-management's (Lent & Brown, 2013) pathway in which exploratory actions mediate the association between exploration self-efficacy and decisional outcomes. The pathway was supported with respect to self-exploration but not with respect to environmental exploration.

#### **15 Far from Angels: Examining DACA Recipients' Lived Experience of Stigma**

Angelica Castro Bueno, Iowa State University; David Vogel, Iowa State University

Despite a consensus in immigrant literature that stigma plays a detrimental role in the lives of undocumented immigrants, little is known about stigma related to documentation status. Using a transcendental phenomenological approach, the current study investigated Deferred Action for Childhood Arrivals (DACA) recipients' lived experience of stigma in a Midwestern

#### **16 Affective Responses to Nature versus Urban Pictures: Inherent or Associative?**

Jeremy Lawrence, Northern Michigan University; Rachel Miller, Northern Michigan University; Sarah Hout; Abby Moffett; Cole Holt, Northern Michigan University; Sydney Mosser; Haylee Snyder, Northern Michigan University; John Kintner; Sarah Huiber; Jon Barch, Northern Michigan University

This project investigates positive affective response to pictures of nature over urban environments by adding a cognitive association task. We found that participants low in the individual difference variable materialism experienced greater positive affect when describing nature photos as opposed to reporting the associations or viewing urban photos.

#### **17 Exploring White Identity and Color-blind Ideology among Liberals**

Brianna Mabie, DePaul University; Jeanne Porges, DePaul University; Khwkab Tarique, DePaul University; Christine Reyna, DePaul University

Although liberals tend to oppose racism, their attachment to their White identity may influence their dismissal of racism through the endorsement of color-blind ideologies (CBI) (Adams, 2015; Kaufmann, 2019). White identity was found to be positively correlated with CBI among liberal participants, but unrelated to acknowledging racism.

### **18 Conspiracy Theorizing in Sport**

Hillary Copeland, Murray State University; Dan Wann, Murray State University

This study investigates the relationship between fan dysfunction and conspiracy theory beliefs. Results indicate fan dysfunction is a significant, positive predictor of sport-specific conspiracy theory beliefs. This study further contributes to the literature suggesting that dysfunctional sport fans tend to adopt a conspiratorial worldview within the context of sport.

### **19 Gendered Differences in Gaze Patterns**

Miles Christopher, Augsburg University; David C. Matz, Augsburg University; Ash Farah, Augsburg University

We examined the influence of participant gender and sex of target on gaze patterns toward different body regions. Preliminary results suggest that male identifying participants spent more time examining body regions (as opposed to the face) of both female and male targets than did female identifying participants.

### **20 Applying a Drift Diffusion Model to a Modified FPST**

Alejandro Carrillo, Michigan State University; Prachi Solanki, Michigan State University; Joseph Cesario, Michigan State University

Racial bias in shooting decisions has been studied using either the FPST or WIT. Process analyses on these data show different race effects on decision making. We modified the FPST to make it similar to the WIT in stimuli presentation order to test whether this accounts for process-level differences.

### **21 Social Connections, Mental Health, and Age during the COVID-19 Pandemic**

Maegan Jones, St. Cloud State University; Jamie Opper, Saint Cloud State University; Amanda Hemmesch, St. Cloud State University; James Cottrill, Saint Cloud State University; Ann Finan, Saint Cloud State University; Sandrine Zerbib, Saint Cloud State University

Telephone surveys were used to collect data about age, social connection, and mental health from a random sample of 206 adult Minnesotans (44% women, 74% white,  $M = 52.30$ ,  $SD = 18.05$ ). We found a relationship between

social connection and mental health; this relationship was strongest for young adults.

## **22 Americans Express Blind Optimism for Overcoming Climate Change**

Nicholas Gallivan, Kansas State University; Christopher Hartley, Kansas State University; Laura Brannon, Kansas State University

With the growing severity of climate change, the current study analyzed the relationships between various climate-related attitudes (e.g., support for mitigation efforts and climate optimism). These data suggest that blind optimism may be present, highlighting possible avenues for future persuasive efforts to improve Americans' climate-related views and actions.

## **23 Unconditional Support and Children with ASD**

Brooke Myerberg, The Chicago School of Professional Psychology

There are an abundance of interventions for challenging behaviors; however, the majority of them or costly or require an abundance of resources. This study aimed to find a cost-effective intervention that could be implemented by the caregivers. As well as be accessible to those who have limited access to resources

## **24 Jurors' Judgments about Police Officers Accused of Unlawful Lethal Force**

Liana Peter-Hagene, North Central College; Alaina Helmerichs; Samuel Glodoski; Eve Cyncar; Ashley Bledsoe, North Central College

A mock trial experiment investigated judgments about a police officer's using lethal force against an unarmed African American man when the victim failed to comply with the officer's orders. Contextual factors (victim disability, 911-call content) influenced jurors' verdicts and moral judgments of the officer.

## **25 Genuine Smiles Are Preferred Even When Behind a Face Mask**

Elizabeth Schweitzer, Elmhurst University; Itzel Rayo, Elmhurst College; Elizabeth Majka, Elmhurst University

Contrary to lay beliefs, we find that participants can effectively distinguish between real and fake smiles when reading targets with face masks.

Importantly, they also effectively use this social information to guide their decision making.

## **26 Testing ASC as an Individual Difference in Anchoring in Judgment**

Jonathan Pettibone, Southern Illinois University Edwardsville; Adisyn Morgan, Southern Illinois University Edwardsville; Josie Wright, Southern Illinois University Edwardsville; Samantha Mattan, Southern Illinois University Edwardsville; Brooke Dunham

Prior research suggests that individuals with Autism Spectrum Conditions (ASC) may show reduced integration of contextual information in decision making (Farmer et al., 2017). We tested this prediction in an Anchoring (Tversky & Kahneman, 1974) in judgment paradigm. Overall, those high and low in ASC showed similar anchoring effects.

### **27 How Prior Text Readability Impacts Comprehension of a Subsequent Text**

Ben Dumont, DePaul University; Jessica M. Choplin, DePaul University

The purpose of this study is to test how well people can comprehend a subsequent clause when it is preceded by a difficult or easy to read clause. Results did not find a significant difference between low or high readability but did between the control and low readability conditions.

### **28 Nontraditional Handshakes: The Most Overlooked Form of Nonverbal Communication**

Christopher Baker, UIC; Vanessa Houghton, UIC; Ashley Xiong, UIC; Emily Tellez, UIC; Erika Stanciu, UIC; Chris Almanza, UIC

Limited research investigating handshakes as nonverbal communication focuses solely on a traditional handshake style. However, our preliminary research showed that nontraditional styles convey important social messages. The current study shows that participants also vary handshakes by setting and illustrates how nontraditional handshakes are used to convey intimacy, familiarity, or formality.

### **29 Have attitudes toward immigrants changed over the last 20 years?**

Yuan Ling Looi, University of Northern Iowa; Matthew Gunderson, The University of Northern Iowa; Helen C. Harton, University of Northern Iowa; Tenzin Nyima, University of Northern Iowa

We analyzed existing data (2001 to 2020) measuring attitudes towards Arab, Mexican, and Chinese immigrants among college students at a single university. We found that prejudice towards Arab and Mexican immigrants was highest in 2007 and then decreased. Prejudice towards Chinese immigrants decreased over the years.

### **30 A Perspective-Taking Intervention of Prejudice Reduction**

Prachi Solanki, Michigan State University; Alejandro Carrillo, Michigan State University; Jenna Harder, Michigan State University; Joseph Cesario, Michigan State University

Perspective-taking is a robust intervention for reducing prejudice. Across 3 pre-registered experiments, we found no prejudice reduction against undocumented immigrants but found significant decreases against

schizophrenics following a perspective-taking task compared to controls. This decrease was fully mediated by a difference in perceived unpredictability towards schizophrenic vs. neurotypical people.

### **31 Does Child Race Affect Teachers' Ratings of Behavior and Academics?**

Nashita Syeda, Illinois Institute of Technology; Jennifer Kurian, Illinois Institute of Technology; Joyce Hopkins, Illinois Institute of Technology; Desiree Murray, University of North Carolina at Chapel Hill

This study examined teacher perceptions based on race and their relation to academic competence. Results showed that teachers reported Black students had more behavior problems than White students, despite no difference in observer ratings. Teacher behavior ratings predicted their ratings of academic competence but were unrelated to report card performance.

### **32 Children of Sex Offenders are Perceived Differently Based on Gender**

Casey Winters, University of Evansville; Evan McCracken, University of Evansville

The present research explores the possibility children of sex offenders are perceived negatively, like their sex offending father. Supporting hypotheses, participants were more likely to discriminate against offenders' adolescent sons than daughters and were more likely to believe sons, but not daughters, are abnormal and undeserving of sympathy.

### **33 The Effects of Zero-Sum Beliefs on Willingness to Engage in Collective Action and Endorse Competitiv**

Robert Menon, Ohio State University; Vanessa Ivy, Ohio State University; Steven Spencer, The Ohio State University

This study focuses on the interaction between zero-sum beliefs (ZSBs) and CV beliefs between two groups of people who share a common identity.

White women participants who were primed into ZSBs were found to be less willing to engage in collective action for Black women participants.

### **34 White Bias Metastereotypes Mediate Black Women's Lighter Skintone Negativity/Colorism**

Lloyd Reynolds Sloan, Howard University; Adea Kelly, Howard University

This study investigated how target's skintone affects both affective feelings of the participants toward, and perceived personal traits of, African American stimuli. The observed colorism effect is strongly mediated by Black Women's perceptions of Whites' prejudices favoring light skin toned, over dark skin toned, African Americans, suggesting reactions to unfairness.

### **35 Political Conservatism Explains the Association Between Sexism and Transgender Prejudice**

Milena DeMario, DePaul University; Russell Steiger, DePaul University  
Hostile sexism predicts anti-transgender prejudice (Connel, 2010). We tested if this association remains significant after accounting for political conservatism and other controls via multiple regression; hostile sexism became non-significant after accounting for conservatism. These findings highlight political conservatism's role as a primary contributor to anti-transgender prejudice in the U.S.

### **36 The Effects of Parenting and Moral Education on Prosocial Behavior**

Emily Marquez, Alverno College; Meredith McGinley, University of Wisconsin-Parkside

The joint impact of moral education and parenting practices during adolescence on emerging adults' (N = 85) current prosocial behaviors was examined. Self-reported importance and participation of service learning mediated the relations among prosocial parenting practices (e.g., experiential learning, conversations, rewards) and situational prosocial behaviors (e.g., anonymous, dire, compliant).

### **37 Chinese and Korean Transracial Adoptee Ethnic Identity Expression**

Tatum Leclair, Loyola University Chicago

Ethnic identity expression may provide opportunities for identity reflection and development among Chinese and Korean transracial adoptees, and was investigated in an exploratory, semi-structured interview study. Expression was common, and relevant opportunities and reflections were rich and varied. Future research should explore psychological benefits of ethnic identity expression.

### **38 Student perceptions of diversity courses across the COVID-19 pandemic**

Shania Vasquez, Illinois State University; Jordan Arellanes, Illinois State University; Felipe Hernandez, Illinois State University; Rachel Meister, Illinois State University; Mishell Morales, Illinois State University

This study compared and contrasted perspectives and experiences of undergraduate college students within courses which focus on diversity, equity, and inclusion. Data collection occurred before, during, and throughout the COVID-19 pandemic. Students detail barriers to their feeling of belonging including: representation, systemic issues, and lack of resources.

### **39 BIPOC Academics' Experiences Disclosed via #BlackInTheIvory**

Kimberly Schneider, Illinois State University; Arielle Flint, Illinois State

University; Christopher Melecio, Illinois State University; Berenice Contreras, Illinois State University; Paige Nagy, Illinois State University; Emma Harris, Illinois State University; Gaiye Behrem, Illinois State University

#BlackInTheIvory trended on Twitter during June 2020 and highlighted racist experiences reported by Black academics. We coded a sample of tweets ( $N = 1,305$ ), focusing on the content of incidents described across research, teaching, and service contexts. Microinsults were most common; the hashtag was also used to suggest helpful resources.



## Symposium

### **Continued Support for the Role of Cognition in Child Internalizing Symptoms**

Sat 8:30AM - 10:20PM

Salon 10

Organizer: Bailey Crittenden, University of Toledo

Discussant: Sarah E. Francis, University of Toledo

Previous research has identified several important directions for future studies on various forms of cognition that place children and adolescents at risk for anxiety disorders and depression (Wilson et al., 2011; Marin et al., 2008; Chorpita et al., 2016; Weems et al., 2003). The present studies aim to test these suggestions using improved measures. The first presentation by Crittenden et al. investigates whether metacognitive beliefs and perceived parenting predict worry in children over and above levels of anxiety. The second presentation by Kramer et al. explores whether the relationship between anxiety sensitivity and specific anxiety subtypes are mediated by perceived anxiety control. The associations between positive and negative affect, perceived environmental control, and child internalizing symptoms are examined in the third presentation by Trevethan et al. Finally, the role of perceived anxiety control in the relationship between parental rejection and specific anxiety subtypes was examined by Roemhild et al. Our results provide valuable insight into how patterns of cognition, perceptions of control, emotions, and parenting influence child internalizing symptoms. Findings can be used to improve models for understanding the relationship between these variables. Most importantly, potential targets for the treatment of child anxiety and depression are discussed.

### **Applicability of Adult Models of Pathological Worry to Children**

E. Bailey Crittenden, University of Toledo, Mackenzie Trevethan, University of Toledo, Emily Roemhild, University of Toledo, Lauren Kramer, University of Toledo, SARAH E. FRANCIS, University of Toledo

### **Anxiety Control as a Mediator Between Anxiety Sensitivity and Anxiety**

Lauren Kramer, University of Toledo, Emily Roemhild, University of Toledo, E. Bailey Crittenden, University of Toledo, Mackenzie Trevethan, University of Toledo, Sarah E. Francis, University of Toledo

### **Protective Factors for Child Internalizing Disorders: Affect and Control**

Mackenzie Trevethan, University of Toledo, E. Bailey Crittenden, University of Toledo, Lauren Kramer, University of Toledo, Emily Roemhild, University of Toledo, Sarah E. Francis, University of Toledo

### **Do Perceptions of Parental Rejection and Anxiety Control Differentially Influence Anxiety Types?**

Emily Roemhild, University of Toledo, Lauren Kramer, University of Toledo, Mackenzie Trevethan, University of Toledo, E. Bailey Crittenden, University of Toledo, Sarah E. Francis, University of Toledo



## **Cognition II**

Sat 10:30AM - 12:20PM

Salon 12

Moderator: Shaalein Lopez, Governors State University

### **10:30 Mistaken Eyewitness Identifications of Familiar but Innocent Suspects**

Nia Gipson, University of Arkansas; Amber Giacona, University of Arkansas; James Lampinen, University of Arkansas

The current study uses a mock coffee shop barista task to systematically control for familiarity. Critically, this study assesses the uniqueness of familiar suspect identifications in cases of eyewitness testimony. Contrary to legal opinion, we find that highly familiar but innocent individuals experience a greater risk of being mistakenly identified.



### **10:45 Event Elements and Event Structure: Roles in Prospective Memory**

Andrea O'Rear, Saint Mary's College; Gabriel Radvansky, University of Notre Dame

Prospective memory tasks typically are categorized as event-based or time-based, but the present findings suggest that the "event-based" label is too broad. Participants remember location-based tasks better than entity- or time-based tasks, and the effect of encoding and referent event structures differs for location-based tasks compared to the other two.

### **11:00 Spatial Memory Span Tasks: An Examination of List-Length Effects**

Alexa Bushinski, Purdue University; Thomas Redick, Purdue University  
Recent work has re-assessed the degree to which simple versus complex span tasks measure similar or dissimilar constructs. Our work examined similarities and differences across verbal and spatial memory tasks. Re-analysis of existing data and a new empirical study showed important differences between verbal and spatial working memory.

### **11:15 The effect of test-expectancies on reasoning beyond the text**

Tricia Guerrero, University of Illinois at Chicago; Thomas D. Griffin, University of Illinois, Chicago; Jennifer Wiley, University of Illinois at Chicago

Instructional directives can influence the way a reader engages with a text. This study tested whether comprehension-test-expectancies influence performance on questions requiring both reasoning-within-the-text (RWT) and reasoning-beyond-the-text (RBT). While the directive was helpful, there is still more to be done to improve RBT performance to the level of RWT questions.

## **Aggression and Psychopathy**

Sat 10:30AM - 12:20PM

Salon 05/08

Moderator: Hannah R. Hamilton, UConn School of Medicine

### **10:45 The Link Between Narcissism and Aggression: A Meta-Analytic Review**

Sophie Kjaervik, The Ohio State University; Brad Bushman, The Ohio State

University

This meta-analysis, based on 437 studies involving 123,043 participants, found that narcissism is related to all forms of aggression (indirect, direct, displaced, physical, verbal, bullying), to hot-headed and cold-blooded aggression, and to violence. The narcissism-aggression link was stronger when participants were provoked, but was also significant when participants were unprovoked.

### **11:00 Acetaminophen Consumption is Associated with Increased Aggressive Behavior in Humans**

Mischkowski Dominik, Ohio University; Jennifer Crocker, Ohio State University, Columbus; Baldwin M. Way, The Ohio State University  
Acetaminophen reduces empathy for others pain and suffering. Following this finding, we show across one correlational national survey and five experiments that acetaminophen is associated with more aggressive behavior, particularly among people low in dispositional empathic concern for other's pain. Thus, acetaminophen may have unexpected but potentially problematic interpersonal side-effects.

### **11:15 Vulnerable Narcissism and Depression: Fear of Happiness as a Mediator**

Duncan Jordan, Murray State University; Abigail Dotson, Murray State University

We examined whether fear of happiness mediated the relationship between vulnerable narcissism and depressive symptoms. As predicted, fear of happiness significantly mediated the relationship between vulnerable narcissism and depression, suggesting a possible pathway wherein self-absorbed and fragile persons may ultimately devalue positivity and in turn develop depressive symptoms.

### **11:30 Cluster Analysis Reveals Cynical and Manipulative Manifestations of Machiavellianism**

Vanessa Wang, Southern Illinois University Carbondale; Bryant Stone, Southern Illinois University Carbondale

The current study suggests that Machiavellianism has two subtypes, which are cynicism, as well as tactics and amorality, and how to identify these subtypes by using the MACH-IV. These results suggest that not all people who are high in Machiavellianism behave amorally or manipulatively.

## **COVID-19 in Clinical and Developmental Context**

Sat 10:30AM - 12:20PM

Salon 01

Moderator: Tonya Hall, Chicago State University

### **10:30 Socioeconomic Status, Social Support, and Psychosocial Outcomes in Children During COVID-19**

Doroteja Rubez, Case Western Reserve University; Rita Obeid; Elizabeth Short, Case Western Reserve University

We investigated the effect of familial social support and socioeconomic status on psychosocial outcomes in children during the COVID-19 pandemic. We found that social support may not matter so much in families belonging to high-income levels, but it can make an impact in families belonging to low socioeconomic class.

### **10:45 Referrals for ADHD Evaluation during Covid-19: Impact of Virtual Learning.**

Steven Abalos, The Chicago School of Professional Psychology; Bailey Mackenze Jones, The Chicago School of Professional Psychology; Justyna Piszczor, The Chicago School of Professional Psychology; Brigid Reilly, The Chicago School of Professional Psychology; Katherine Spittle, The Chicago School of Professional Psychology; Krista Tolley, The Chicago School of Professional Psychology; Kim Dell'Angela, The Chicago School of Professional Psychology

COVID-19 abruptly changed the format of education for US youth. Parents, pediatricians and youth reported increased ADHD symptoms during COVID-19. This study compared neuropsychological data for youth (6-15) referred for evaluation before and after March 2020. A complex interaction between parental reports of ADHD symptoms and testing data was found.

### **11:00 Student Attitudes Towards Vaccines Before and After COVID-19**

Thomas A. Wrobel, University of Michigan-Flint; Nathaniel J. Cordova, University of Michigan-Flint

Pre and Post COVID-19 pandemic student samples completed a survey consisting of vaccine knowledge, needle anxiety, and Health Belief Model questions. Samples were similar in attitudes towards the effectiveness of vaccines, and control over diseases. The Post-COVID-19 sample demonstrated a greater concern about disease, and concern about vaccine risks.

### **11:15 Factors Impacting the Resilience of Healthcare Workers During COVID-19**

Gitika Chalasani, Illinois Institute of Technology; Virginia Spicknall, Illinois Institute of Technology; Nicole Ditchman, Illinois Institute of Technology; Meena Chockalingam, Illinois Institute of Technology

COVID-19 has heightened long-term pressure on healthcare workers. This study examined positive psychology concepts and environmental factors to determine their effect on the resilience of healthcare workers during the pandemic. The resulting findings can inform the development of burnout prevention and coping techniques for those in high-stress professions.

### **11:30 Nicotine Use and Mental Health in College Students During COVID-19**

Mariah Ravet, University of Minnesota-Duluth; Rebecca Gilbertson, University of Minnesota -- Duluth

College student nicotine characteristics were assessed with dependence, quantity, and frequency measures prior to, and during, the COVID-19 pandemic. Cigarette dependence increased. Mental health and other nicotine use remained unchanged during the pandemic. Mental health predicted e-cigarette and cigarette dependence symptoms.

### **11:45 Social Anxiety Disorder features moderate pandemic-related life quality changes.**

Gabriella Hirsch, Cleveland State University; Ilya Yaroslavsky, Cleveland State University; Caitlin Tytler, Cleveland State University

We tested the moderation of Social Anxiety Disorder (SAD) features on perceived life quality changes across the pandemic as a function of the average time spent out of the home before vaccines were available. Findings suggest that leaving the home differentially impacted life quality as a function of SAD features.

### **12:00 Internalizing disorder symptom effects Coronavirus safety behaviors and vaccine hesitancy.**

Taylor Stergar, Cleveland State University; Caitlin Tytler, Cleveland State University; Ilya Yaroslavsky, Cleveland State University

This study tested the relationship between race, depression, and anxiety with in-vivo public health-oriented behaviors (mask wearing & social distancing) during the early pandemic phase and vaccine hesitancy when vaccines first became available. Results highlight cultural differences and behavioral health effects that have public health implications, which will be discussed.

## The Self

Sat 10:30AM - 12:20PM

Salon 03

Moderator: Sean McCrea, University of Wyoming

### **10:30 Is Self-Compassion the MVP on the Self Team?**

Ashley Allen, The University of North Carolina at Pembroke

The premise that treating oneself with compassion has positive mental, emotional, physical, and relational ramifications has spurred significant research over the past two decades. Overall, research supports the hypothesis that being self-compassionate is beneficial and should be encouraged, so why don't we always want it for ourselves and others?

### **11:00 Extraversion Moderates the Efficacy of Self-Esteem Strategies**

Ava Camposarcone, Queen's University; Thomas Vaughan-Johnston, Durham University; KAREN MACGREGOR, OHIO STATE UNIVERSITY; Leandre Fabrigar, Queen's University; Lyndsay Evraire; Louise Wasylkiw, Mount Allison University

In two experiments, we explored how extraversion's connection with self-esteem may depend on specific self-enhancement strategies. We found that extraversion was more related to self-esteem under downward social comparison versus other self-esteem maintenance conditions. Extraverts' higher perception of being similar to their peers may partially explain this relationship.

### **11:15 Conflicts of the Self: Self-Compassion, Compassion, and Self-Serving Biases**

Alexandra Bitter, University of Wyoming; Sean McCrea, University of Wyoming

Correlational and qualitative research suggests that individuals express comfort with compassion, but relative discomfort toward the practice of self-compassion. Across three experimental studies, individuals report that the practice of self-compassion is more difficult and feels less deserved than practicing compassion for friends or even strangers.

### **11:30 True Non-Self: True Self Beliefs in Monastic Tibetan Buddhists**

Ellen Dulaney, DePaul University; Youlim Kim, Depaul University; Verena P Graupmann, DePaul University

Essentialist true self beliefs predict higher well-being in the United States and Japan. In monastic Tibetan Buddhists, self-essentialism most strongly predicted meaning in life in highly interdependent participants, and life

satisfaction in weakly interdependent participants. Despite Tibetan Buddhism's assertion of non-self, essentialist self-views seem important for well-being in this context.

### **11:45 Self-defining attitudes Bias Reconstructions of One's Past**

Jesse Ladanyi, Ohio State University; Jacob Teeny, The Ohio State University; Russell Fazio, The Ohio State University

Self-defining attitudes (SDAs) help us express who we are. The current study finds that SDAs can also bias our understanding of ourselves. Specifically, we found that people reported more years of ownership of Apple/Android products when they were induced to believe that their attitude toward Apple/Android was self-defining.

## **Social Cognition II**

Sat 10:30AM - 12:20PM

Salon 02

Moderator: Keith Markman, Ohio University

### **10:45 Priceless works – Perceiving value and specialness in paintings**

Drew Morris, Centre College

The perceived value of any object, whether it be art or an autographed napkin, is contingent on our own subjective judgement. In this talk I hope to show you the fascinating factors that lead to our perception of objects and how psychology can be used to merge art and science.

### **11:15 Unconstrained Estimation of Features Underlying Person Perception**

Samuel Klein, University of California, Davis; Jeffrey Sherman, University of California, Davis

Using a novel judgment task and multinomial processing trees, we estimated the independent impacts of various person-features underlying person perception. These data contradict most theoretical models of person perception which assume that, for any particular judgment, as one feature's impact increases (e.g., race), other features' (e.g., emotion) impacts must decline.

### **11:30 OK, Boomer: Do intergenerational stereotypes reduce perceived common ground?**

Mija Van Der Wege, Carleton College; Rachel Block, Carleton College; Rebecca Fox, Carleton College; Lauren Carothers-Liske, Carleton College;

Miriam Freedman, Carleton College; Nisha Rao, Carleton College; Jordan Navarro, Carleton College

Perceptions of common ground can affect judgments of how effective communication is or will be. The current studies investigate whether members of different generations (i.e., Baby Boomers vs. Generation Z) might rate communication effectiveness higher when listening to members of their own generation produce ambiguous statements.

### **11:45 Expectations on Perceived Extremity of Scandalous Behavior**

Sydney Williams, The Ohio State University; Richard Petty, Ohio State University, Columbus

This study examined how expectations impact the perceived extremity of a negative behavior. Participants read expectation altering information about a target and then were told that he performed an expectation violating or supporting behavior. Expectancy violation enhanced emotional reactions which were associated with more extreme judgments.

### **12:00 The effects of valence weighting and agreement on statement interpretations**

Shelby Boggs, The Ohio State University; Russell Fazio, The Ohio State University

We test the hypothesis that recalibrating individual's valence weighting tendencies will result in more moderate ideological responses to political statements. Recalibration reduced reliance on the initial agreement/disagreement signal offered by participants' political ideology and, hence, attenuated the extremity of participants' evaluations.

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**Invited Workshops**

**Supporting and Engaging Undergraduates in Research**

Beth Ann Rice, Slippery Rock University  
Ellen Carpenter, Virginia Commonwealth University  
Meghan Kahn, Indiana University-Southeast  
Jennifer Willford, Slippery Rock University  
KatieAnn R Skogsberg, Centre College

Sat. 10:30AM – 12:20PM

Salon 04

Providing opportunities for undergraduate students to engage in research-based applications supports their development of critical thinking skills and original research. In this workshop, we will lead several discussions on supporting and engaging undergraduates in research. Workshop participants will walk away with exciting ways to strengthen or initiate undergraduate research programs at their institutions.

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**Symposium**

**Societal Beliefs and Youth's Aspirations as Strategies for Change**

Sat 10:30AM - 12:20PM

Salon 06/07

Organizer: Kyla Ford, University of Illinois at Chicago

Discussants: Kyla Ford, University of Illinois at Chicago; Aanda L. Roy, The University of Illinois at Chicago

Adolescence and young adulthood are important times as young people think about the world around them and their place in it. Understanding youth's



beliefs about society and aspirations for the future are important because they are linked to a variety of positive outcomes for youth including academic, emotional, and social well-being. The panels in this symposium explore these relationships using multiple sources of multi-modal data. Uriostegui will present findings from a longitudinal study that uses latent class analysis to define profiles of sociopolitical beliefs and engagement among young adults. Ford and colleagues use grounded theory to explore Black and Latinx youth's qualitative responses to the Black Lives Matter movement. Naqi-Hasnain and colleagues examine how critical consciousness among low-income, predominantly Latinx and Black teens may be shaped by their prosocial development during middle childhood. DaViera and colleagues assess how divergent conceptualizations of critical consciousness are related, and how this differs across self-identified "liberal" and "conservative" youth. Sevilla and colleagues qualitatively explore the educational and career aspirations of Latinx young adults living in under-resourced Chicago neighborhoods, and examine how contextual factors influence young adults' aspirations. Papers will discuss applications for educational practice and policy as well as directions for future research.

### **Examining How Black and Latinx Youth Process Racial Injustice**

Kyla Ford, The University of Illinois at Chicago, Amanda L. Roy, The University of Illinois at Chicago, Anthony Oddo, The University of Illinois at Chicago, Sarah Ngonmedje, The University of Illinois at Chicago

### **Underlying Classes of Critical Consciousness among Latinx/Asian American Young Adults**

Marbella Uriostegui, The University of Illinois at Chicago

### **Black/Latinx Teens' Critical Consciousness: Prosocial Behavior as a Predictor**

Zahra Naqi-Hasnain, Loyola University Chicago, Christine Li-Grining, Loyola University Chicago, Amanda L. Roy, The University of Illinois at Chicago

### **Understanding Critical Motivation and Sociopolitical Action by Political Affiliation**

Andrea L. Daviera, The University of Illinois at Chicago, Amanda L. Roy, The University of Illinois at Chicago

### **Understanding Factors Shaping Educational and Career Aspirations of Latinx Youth**

Juan Ramon Sevilla, The University of Illinois at Chicago, Amanda L. Roy,  
The University of Illinois at Chicago



## Symposium

### **Parenting during the COVID-19 pandemic: Qualitative explorations of parents' experiences and implications for the future**

Sat 10:30AM - 12:20PM

Salon 10

Organizer: Nadia Al Nassar, University of Wisconsin-Madison

Discussant: Margaret Kerr, University of Wisconsin-Madison

The COVID-19 pandemic introduced numerous novel stressors and changes to family life, with both positive and negative implications for parents. Emerging research identifies increased tension in parent-child relationships and increased mental health challenges, as well as more positive impacts such as gratitude and closeness to their children (Fisher et al., 2020; Russell et al., 2020; Harkins, 2020; Kerr et al., 2021). This symposium explores parents' perceptions of positive and negative aspects of parenting during the beginning of the COVID-19 pandemic. Presenting separate qualitative analyses of open-ended questions from a large online survey of parents' experiences during COVID-19, each presentation focuses on a unique parenting experience: parenting rewards, parenting challenges, and parent behavior and parent-child relationship changes. Data were collected in April 2020 from parents of children aged 13 or younger (N=1009). The majority of parents (88.8% women) were White (81.9%), held at least a bachelor's degree (74.7%), and resided in Wisconsin (80.1%). The COVID-19 pandemic offers a unique opportunity to explore how parents experience parenting in the midst of novel stressors. Understanding parents' positive and negative experiences during the pandemic can inform on programs and policies to support families in situations of heightened stress and other crises.

### **Perceived Parenting Rewards during the COVID-19 Pandemic**

N. Alnassar, University of Wisconsin-Madison, I. Botto, University of Wisconsin-Madison

## **Perceived Parenting Challenges during the COVID-19 Pandemic**

K. Fanning, University of Wisconsin-Madison, C. Kim, University of Wisconsin-Madison

## **Perceived Changes in Parent Behavior and the Parent-Child Relationship during COVID-19**

S. Braaten, University of Wisconsin-Madison, S. Nibhanupudi, University of Wisconsin-Madison



### **Social Psychology Poster Session II**

Sat 10:30AM - 12:20PM

Upper Exhibit Hall

#### **1 Automated Facial Expression Coding in Mother-Daughter Dyads**

Julianna Calabrese, The Ohio State University; Nathaniel Haines, The Ohio State University; Theodore Beauchaine, University of Notre Dame

The present study examined facial affect correspondence mother-daughter dyads among three groups of psychopathology (self-injuring, depressed, control) and found that mothers “drove” emotional expressivity in daughters, particularly mothers of control daughters. Facial expressivity was assessed using open-source automated facial expression coding and manual coding methods

#### **2 Can I Still Read Your Covered Facial Expression?**

Youlim Kim, Depaul University; Ralph Erber, DePaul University

This study investigated how people understand facial expressions covered by masks. Participants were randomly assigned to a background-present or background-absent condition and interpreted happy faces, fearful faces, or neutral faces. Results suggested that people need additional contextual information to interpret an ambiguous (neutral, fearful) facial expression regardless of background existence.

#### **3 Shame and Guilt: Intrapersonal or Interpersonal Emotions?**

Mitchell Landers, University of Chicago; Daniel Sznycer, University of Montreal; Patrick Durkee, University of Texas at Austin

In two MTurk studies across two cultures (the USA and India,  $n = 873$ ), we conduct critical tests between two theories of shame and guilt: the

attributional theory (Tracy & Robbins, 2006) and the adaptationist theory (Sznycer & Lukaszewski, 2019).

#### **4 ADHD and Emotion Dysregulation as Predictors of Irritability in Children**

Olivia Shaffer, University of Louisville; Paul Rosen, University of Louisville; Tiarra Abell, University of Louisville; Helena Alacha, University of Louisville; Meaghan Flynn; Anna Olczyk, University of Louisville; Joseph Reese

Irritability and emotion dysregulation are common in children with ADHD but their relationship remains unclear. The present study examined the unique effects of ADHD and emotion dysregulation on child irritability using EMA and irritability measures. ADHD and emotion dysregulation both predicted concurrent irritability, while emotion dysregulation solely predicted future irritability.

#### **5 An investigation of emotional synchrony and friendship quality**

Joia Wesley, Marquette University; Keara J. Kangas, Marquette University; Nakia S. Gordon, Marquette University

Emotional synchrony is beneficial in interpersonal relationships. The purpose of this study was to examine emotional synchrony and friendship quality in friends during interactions. Research suggests that friends exhibit emotional synchrony during positive and negative conversations and that friendship quality influences emotional synchrony in some situations.

#### **6 Avoidance of negatively valenced climate change images linked to anxiety**

John Foley, Northern Michigan University; Lin Fang; Joshua Carlson, Northern Michigan University

Thinking about the impacts of climate change may lead to anxiety and other negative emotional experiences. Here, we found that climate change anxiety was linked to attentional avoidance of emotionally negative images of climate change including images of potential causes (e.g., industrial pollution) and effects (e.g., natural disasters).

#### **7 Predictive Ability of Mindfulness and Self-Compassion for Measures of Well-Being**

Anika Paulson, Western Illinois University; Robert C Intrieri, Western Illinois University

Relationships between mindfulness, self-compassion, and measures of well-being were explored in this study. Our findings suggest that highly mindful

individuals experience less stress, state/trait anxiety, and sensitivity to anxiety. Similar results were found for self-compassion. This supports the conclusion that mindfulness and self-compassion are strongly related to facets of well-being.

## **8 The Effect of Money on Happiness**

James Richart, Saint Louis University; Thomas DeRossett, Saint Louis University

Monetary success has been found as both a positive and negative correlate of wellbeing. The current study explored individual differences in the relationship between wealth and wellbeing. Participants provided perceptions of a target's happiness derived from an occupation in addition to ranking the importance of several factors in career choice.

## **9 Agentic Manipulations of Police Shootings Affect Perceptions of Responsibility**

Hayden Holmes, Texas Tech University; Alec Stinnet, Texas Tech University; Jessica Alquist

Participants' (N = 342) attributions of blame and free will for police-suspect interactions can be affected by manipulating whether it is said the officer and suspect had a choice in their actions or not.

## **10 Morally Reframed Messages on White Individuals' Responses to Racial Policies**

Camryn Backman, Xavier University; Tammy Sonnentag, Xavier University; Samantha Rudy, Xavier University

This study examines if challenging the myth that America is a meritocracy, by appealing to individuals' moral values, can change their support for race-based social policies. A moral message aligned with individuals' moral beliefs about Fairness/Reciprocity increased their support for redistributive action.

## **11 Correlates of Belief in the QAnon Conspiracy Theory**

Hillary Copeland, Murray State University; Sean Rife, Murray State University

This investigation examined the extent to which QAnon represents a tent conspiracy theory (i.e., a catch-all conspiracy theory). Results indicate that QAnon-belief is positively correlated with other conspiracy beliefs and a range of other esoteric beliefs. We suggest that QAnon-conspiracy theory beliefs are in part a function of moral absolutism.

### **12 Social Winners: The Effect of Status on Aggression and Morality**

Patrick Nebl, Elmhurst University; Mark McCoy, Oakland University

In this research, we extend the concept of the winning effect to social outcomes. Research in our lab has found a correlation between aggressive utilitarianism and other measures of being a social winner. The current study explores if victory in social conditions can influence decision making in utilitarian choice paradigms.

### **13 Fundamental Goals and Stigma Toward Schizophrenia**

Guy Boysen, McKendree University; Peyton Osgood, Colby Price, McKendree University; Aliyah Rollins

Affordance management theory predicts that humans use stereotypes to evaluate if people threaten or facilitate the achievement of evolutionarily fundamental goals. The current research demonstrated that people stereotypically associate schizophrenia with threats to self- and child-protection goals but perceive schizophrenia as irrelevant to other goals such as mate-seeking and affiliation.

### **14 Attachment, Sibling Abuse Experience and the Influence on Social Relationships**

Michelle Abraham, Indiana State University; Mandy Morrill, Valparaiso University; Anna-Marie Carver, Indiana State University

Siblings are often our longest relationships and have the potential to be profoundly impactful. This study found secure attachment increases nurturing others, but sibling abuse decreases nurturance of others, impacts sense of worth, and affects use of social relationships. Sibling abuse should not be viewed as a normal developmental trend.

### **15 Concurrent Validity of a Multi-Modal Measure of Rejection Fear**

Carlie Heaton, Bradley University; Alexa Boland, Bradley University; Alaina Mabie, Bradley University; Madison Rodatz, Bradley University

A method for manipulating rejection fear in a manner that facilitates the collection of psychophysiological and neuroimaging data has yet to be developed. Here we test a new method to fill this need and test whether the physiological response to sharing personal vs. trivial information predicts symptoms of depression, anxiety,

### **16 The Initiation and Development of Human-Social Chatbot Interactions**

Carolynn Boatfield, Lake Forest College; Isabel Krupica, Lake Forest College; Sophie Rasof, Lake Forest College; Xinyu Wang, Lake Forest

College; Amelie Motzer, Lake Forest College; Wiktorija Pedryc, Lake Forest College; Vivian Ta, Lake Forest College

Previous research suggests emotional chatbots are sources of social support, though there is no specificity in type of support. We investigated this by analyzing open-ended responses regarding user experiences with the chatbot Replika. Reported participant engagement with Replika supported human interests and curiosity as catalysts for social support from chatbots.

### **17 Adolescents' Resources and Barriers to Academic Success During COVID-19**

Jasmine Liu, Washington University in St. Louis; Vivian Mora, Washington University in St. Louis; Veronica Spillman, Washington University in St. Louis; Tyler Wilson, Washington University in St. Louis; Jenalee Doom; Chris Rozek, Washington University in St. Louis

Maintaining high levels of academic motivation during the COVID-19 pandemic can be challenging for students of all ages. We assessed the types and number of academic resources and demands adolescents reported having during the pandemic and found them to be predictive of adolescents' academic motivation.

### **18 Liberals and conservatives: Can framing change their prejudices?**

Aubrey Paschal, University of Northern Iowa; Rishika Sheetal Singh, University of Northern Iowa; Helen C. Harton, University of Northern Iowa  
Participants responded to several statements about target groups that were framed to emphasize the values of nostalgia, multiculturalism, egalitarianism or Protestant work ethic. Contrary to previous research (Lammers & Baldwin, 2018), the use of nostalgia framing led liberals to be less likely to agree that liberals and conservatives should cooperate.

### **19 Retweets to Riots: Political Polarization in Online Settings**

Chloe Kepler, University of Wisconsin - La Crosse; Elizabeth Titera, University of Wisconsin-La Crosse

We conducted a 2 (condition: online and in-person) x 2 (time: pre and post) experiment to test the hypothesis that online (relative to in-person) participants will show a significantly larger increase in political attitude polarization. Results will have implications for understanding how online communication influences extremist attitudes and ideologies.

### **20 Attentional bias to climate change-related images across political orientations**

Lisa Gentry, Northern Michigan University; Xochitl Delgado, Northern

Michigan University; Joshua Carlson, Northern Michigan University  
Previous studies indicate that political orientation is related to attentional bias to climate-related words and graphs. Here, we found no differences in attentional bias across political orientations when using climate-related images. Consistent with previous studies, we found that positive images of climate change grab attention more than negative images.

### **21 2020 Presidential Election: High-Profile Sexual Assault Allegations and Voting Decisions**

Robin Moore, Wichita State University; Madi DeFrain, Wichita State University; Jennifer Demers, Wichita State University; Adrienne Ralston, Wichita State University

Presidential nominees Donald Trump and Joe Biden faced allegations of sexual misconduct during the 2020 election. The current study aimed to determine the extent to which these allegations influenced voting decisions and explore possible contributing factors, such as party affiliation, social dominance orientation, and sexual violence attitudes.

### **22 Differentiating Machiavellian Views and Tactics: Associations with Moral Foundations**

Connor Thompson, Grand Valley State University; Todd Williams, Grand Valley State University; Michael Wolfe, Grand Valley State University; Molly Dayton, Grand Valley State University; Elise Richards, Grand Valley State University

The association between Machiavellianism and moral foundations was examined via survey ( $N = 476$ ). Results indicate that Machiavellian tactics were associated with a decreased emphasis on the moral foundations of loyalty, fairness, and harm. Tactics were also associated with a preference for utilitarian outcomes over deontological ones in moral vignettes.

### **23 Relations between New Parents' Parental Leave Time and Maternal Gatekeeping**

Reed Donithen, The Ohio State University; Miranda Berrigan, The University of Minnesota; Claire Kamp Dush, The University of Minnesota; Sarah Schoppe-Sullivan, The Ohio State University

We used longitudinal survey data from new parents in dual-earner families to investigate relations between length of paternal leave and maternal gatekeeping. Results indicated that fathers' length of leave was negatively associated with maternal gatekeeping, suggesting that fathers who take longer leave are viewed as parenting equals by mothers.



## **24 Experiences of Rural Families During the COVID-19 Pandemic**

Kirsten Anderson, Purdue University; Sarah Pedonti, University of North Carolina at Chapel Hill; Kathryn Leech, University of North Carolina at Chapel Hill; Sarah Eason, Purdue University

Parents living in rural areas of the USA reported that COVID-19 was more disruptive if they experienced job loss or loss of childcare. This association was not moderated by family size or number of caregivers in the home. Implications for supporting rural families in the aftermath of COVID-19 are discussed.

## **25 Relationship quality & self-preservation within and outside self-harm history**

Caitlin Gregory, Western Kentucky University; Amy Brausch, Western Kentucky University

The study assessed differences between those with and without self-harm history on parental and peer communication, trust, and closeness, and self-reported self-compassion and loneliness. Results showed that groups with self-harm history had significantly lower trust and communication with their parents and peers, in addition to lowered self-compassion and

## **26 Talk to someone: The social value of (even solo) experiences**

Victor Oetjen, Indiana State University; Virgil L. Sheets, Indiana State University; Matthew Johnson, Indiana State University

College students described an object they purchased and two experiences they had in the last 6 months, and whether they were shared/discussed with another. Respondents reported greater happiness when thinking about their purchases, but talking about their experiences—even solo experiences—increased their feelings of closeness to others.

## **27 Mediation of the Self-Directed Violence and Interpersonal Discrimination Linkage**

Emma Jaszczak, Loyola University Chicago; Nicole Hodgkinson, Loyola University Chicago; Andréa Kaniuka, University of North Carolina at Charlotte; Jameson Hirsch, East Tennessee State University; Byron Brooks, Loyola University Chicago

Self-directed violence, including non-suicidal self-injury (NSSI) and suicidal behavior, is an epidemic among the LGBTQ+ community. We tested if negative social exchange mediated the relationship between interpersonal discrimination and self-directed violence. Mediation analysis revealed partial support for the hypothesis, suggesting that interpersonal discrimination may influence suicidal behavior, but not NSSI.

## **28 Sex differences in friendship and its relation to life satisfaction**

Jacob Wilson, Indiana State University; Virgil L. Sheets, Indiana State University

College students rated two friends on six friendship functions, their satisfaction with their friendships, and their life overall. Friends served similar functions for men and women—though women reported experiencing greater intimacy in friendships. While friendship satisfaction predicted life satisfaction better for men, friendship intimacy was uniquely important.

## **29 Social isolation, religious affiliation, and mental health in adult Minnesotans**

Hunter Tholkes, St. Cloud State University; Amanda Hemmesch, St. Cloud State University; James Cottrill, Saint Cloud State University; Ann Finan, Saint Cloud State University; Sandrine Zerbib, Saint Cloud State University  
Telephone surveys were used to collect data about social isolation and mental health from a random sample of 216 Minnesotans (51% women, 74% white, age mean = 53.01 years, SD = 18.23). We found a marginal relationship between social isolation and mental health, and that isolation has increased since 2018.

## **30 Are COVID-19 and Death Equivalent from A Terror Management Perspective?**

Megan Bardmass, Western Illinois University; Kristine M. Kelly, Western Illinois University

Previous terror management research indicates that thoughts of illness may have a similar effect as thoughts of death (Belanger et al., 2013). The aim of this study was to investigate COVID-19 as a possible mortality reminder. Results indicated that thinking of COVID-19 was analogous to thinking of death.

## **31 Prayer researchers ignore the role of denominational beliefs**

Regina Brunz, Augustana University; Benjamin Jeppsen, Augustana University

A meta-analytical review of the past decade of prayer-related research was conducted to examine whether researchers are accounting for the impact of diverse faith belief systems on participant outcomes. This study reveals that researchers continue to ignore effects of nuanced beliefs and significantly overrepresent Christian denominations in prayer studies.

## **32 The Association between Consensual Extradynamic Behavior and Relationship Improvement**

Jacinda Gardner, University of Minnesota Duluth; Ashley Thompson, University of Minnesota Duluth

The current study examined the association between participation in consensual extradyadic behavior and self-reported relationship improvement. Our results revealed that participation in sexual/explicit, technology/online, and emotional/affectionate behaviors was associated with relationship improvement among adults who reported having a consenting primary partner.

### **33 The Dual Pathway Model of Respect in Romantic Relationships**

Gracyynn Young, Oakland University; Virgil Zeigler-Hill, Oakland University

The present study investigated the associations the *dual pathway model of respect* had with romantic commitment through general perceptions of respect, relationship satisfaction, investment, and quality of alternatives. The results revealed that inclusion-based respect had much stronger connections with romantic commitment than were observed for status-based respect.

### **34 Explicit-Implicit Attitudinal Ambivalence in Romantic Relationships: Antecedents and Outcomes**

Carina Pham, Queen's University; Tara MacDonald, Queen's University; Leandre Fabrigar, Queen's University

The present research examined antecedents and outcomes of explicit-implicit attitudinal ambivalence within romantic relationships. Attachment avoidance was associated with decreased explicit-implicit ambivalence, whereas attachment anxiety was not related to ambivalence. In terms of outcomes, explicit-implicit ambivalence was associated with both subjective and structural ambivalence, but not with attraction to alternatives.

### **35 Communal Strength and Sacrifice in Romantic Relationships**

Vanessa Snead, Queen's University; Denise Marigold, Renison University College, University of Waterloo

Participants in romantic relationships completed an online study in which they read hypothetical sacrifice scenarios of either low- or high-cost. Results showed that participants' level of communal strength significantly influenced how indebted to their partner and how committed to their relationship they felt after considering high- vs. low-cost sacrifices.

### **36 The Interaction of Attachment and Relationship Status on Sexual Health**

Tyler Niedermeyer, Ball State University; Idil Ugurluoglu, Ball State University; Alexandra Whitman, Ball State University;; Alexander Tatum,

Ball State University

We assessed how relationship status and attachment style impact sexual satisfaction and sexual self-concept. Single or insecurely attached participants reported lower sexual self-esteem than coupled or secure counterparts. Additionally, attachment style is associated with sexual preoccupation and sexual depression; however, romantic relationships buffer sexual depression among anxiously attached participants.

### **37 Differences in Password Sharing by Relationship Length and Digital Medium**

Michelle Drouin, Purdue University Fort Wayne; Chelsi Kern, Purdue University Fort Wayne; Catalina Todd, Purdue University Fort Wayne; Brandi Warner, Purdue University Fort Wayne; Dylan Sczerbowicz; Chelsea Geels, Purdue University Fort Wayne

In this survey study, we examined password sharing preferences based on relationship length and digital medium. Individuals varied greatly in their opinions of when in a romantic relationship it was appropriate to share passwords and their responses also varied across medium (e.g., WhatsApp, banking, cell phone, email).

### **38 Spooky Dating Stories: Ghosting Influences Perceptions of Warmth and Competence**

Stacey Kruse, DePaul University; Himali Bhandari, DePaul University; Kacper Pachut; Christopher Cole, DePaul University

We investigated perceptions of warmth and competence for “ghosters” and “ghostees” in either short or longer romantic relationships. Participants rated characters in dating vignettes that ended in ghosting or explicit rejection. Results demonstrated that people who ghost others (versus people that explicitly reject others) were perceived significantly less warmly.

### **39 Partner Emotional Abuse Pre- and Post-Covid: Associations with Attachment Insecurity**

Jody Ross, Purdue University Fort Wayne; Brittany Pridgen, Purdue University, Fort Wayne; Allison Whitcraft, Purdue University Fort Wayne  
Many couples in this sample did not report increased emotional abuse (EA) during Covid-19. Controlling for pre-Covid EA perpetration, Covid-time EA perpetration was associated with anxious attachment among women and avoidant attachment among men. These findings suggest gender-specific targets of intervention that may prevent increased EA in times of crisis.

#### **40 Testing Partner Effects of Alcohol Use on Long-Distance Relationship Stress**

Erin Thomas, Illinois Institute of Technology; Taylor Frye, Illinois Institute of Technology; Frane Santic, Illinois Institute of Technology; Kelly Manser, Illinois Institute of Technology; Steve Du Bois, Illinois Institute of Technology

We found no significant partner effects of alcohol use on romantic relationship stress, in a sample of dyads in a long-distance relationship. Our findings are inconsistent with extant work on proximal relationships, but consistent with extant work on LDR, which states those in LDR report unique health patterns.

#### **41 The COVID-19 Pandemic and the Effects on Sexual Behaviors**

Emily Corrigan, Saint Norbert College; Raquel Cowell, St. Norbert College

The purpose of this study is to explore the effects on sexuality during the COVID-19 pandemic by investigating the correlations between a person's knowledge and perception of COVID-19 and their sexual behaviors.

#### **42 Exploring the Relationship Between Self-Concept and Body Image: A Mediational Analysis**

Erin Hillard, University of Wisconsin Parkside; Victoria Schantz, University of Wisconsin Parkside; Pang-Yia Vick-Xiong, University of Wisconsin Parkside; Jonathan Ochoa, University of Wisconsin Parkside

The current study investigates mechanisms in the association of sense of self and body image problems. We found that fat talk mediates relationships between sense of self and body esteem and restrictive eating, suggesting higher sense of self leads to reductions in problematic behaviors that contribute to body image problems.

#### **43 Self-Enhancement and Authenticity: A unidirectional or bidirectional relationship?**

Corey Guenther, Creighton University; Gabriella O'Connor, Creighton University; Tyger Callahan, Creighton University; Margaret Fyan, Creighton University; Ava Szatmary, Creighton University

Following previous findings in our lab demonstrating that biased processing—not unbiased processing—of self-relevant information promotes psychological authenticity, the present research demonstrates that this relationship is unidirectional, not bidirectional: self-enhancement promotes authenticity, but authenticity may not necessarily intensify self-enhancement.

#### **44 Discrepant Self-esteem and Body Image Discrepancy**

Mitsuru Shimizu, Southern Illinois University Edwardsville; Victoria Astrosky, Southern Illinois University Edwardsville; Nagel Page, Southern Illinois University Edwardsville; Mullory Sutfin, Southern Illinois University Edwardsville

This study demonstrated that women with discrepant high self-esteem (high explicit and low implicit self-esteem) and discrepant low self-esteem (low explicit and high implicit self-esteem) reported less discrepancy between their current/ideal body size than women with congruent high self-esteem (high explicit and implicit self-esteem).

#### **45 Gender, Self-Compassion, Goal Orientation, and Sport-Confidence: A Moderated Mediation Analysis**

Arash Assar, Ball State University; Robert Weinberg, Miami University; Rose Marie Ward, Miami University Department of Kinesiology and Health; Robin S. Vealey, Miami University

The current study found that female athletes were lower on self-compassion and sport-confidence than male athletes. Further, multigroup analyses demonstrated that the paths in the mediation model varied across gender, revealing that the relationships between task- and ego-orientation and self-compassion were different for men and women student-athletes.

#### **46 Reasons for Living Prospectively Predict Lower Self-Harm Risk in Adolescents**

Kendra Rigney, Western Kentucky University; Amy Brausch, Western Kentucky University

The current study examined the relationship between Reasons for Living and nonsuicidal self-injury (NSSI) and Suicide Ideation at 6 and 12-month follow ups. The results showed that RFL-A subscales Self-Acceptance (SA), Peer Acceptance (PAS), and Family Alliance (FA) were associated at different levels with SI and NSSI during the follow-ups.

#### **48 Mindfulness as a Mediator in Emotion Regulation and Emotional Eating**

Michael Vang, University of Toledo; Marian Estifan; Brelaina Gugle; Deborah Wong, University of Toledo; Adelyn Sherrard, University of Toledo; Cin Cin Tan, University of Toledo

The study examined whether mindfulness in a parenting domain was a mediator on parents' emotion regulation in predicting children's emotional eating. Parents of young children were recruited to complete an online survey.

Analysis revealed that mindfulness mediated the associations between parents' emotion regulation and children's emotional eating.

#### **49 Differences Between First-Generation and Continuing-Generation College Students**

Cole Holt, Northern Michigan University; Jon Barch, Northern Michigan University

First-generation students are an academic minority in need of help. This pre- and post-test design study of basic psychological needs, self-regulation, academic engagement, and stress suggests first-generation college students have decreased perceived competence and this affects stress, academic engagement, and intrinsic motivation within the academic context.

#### **50 Effect of Intergroup Gender Bias on Gender Satisfaction and Self-Esteem**

Brandon Wood, University of Nebraska at Omaha; Mithra Pirooz, University of Nebraska at Omaha; Josafa Da Cunha, Federal University of Parana in Curitiba; William Bukowski; Lina Saldarriaga; Jonathan Santo, University of Nebraska Omaha

This study examined gender satisfaction and intergroup bias as predictors of self-esteem among early adolescents using multilevel modeling from four countries. A three-way interaction between gender, gender satisfaction, and intergroup bias on self-esteem was found. Specifically, there was no effect of gender satisfaction on self-esteem among boys biased against girls.

#### **51 Social Reminiscing: A Potential Protective Factor for Externalizing Outcomes**

Brenna Klesel, Iowa State University; Monica Marsee, Iowa State University; Brooke Arterberry, Iowa State University

Identification of protective factors for externalizing outcomes such as aggression and alcohol-related consequences serves to inform prevention and intervention programs. The present study revealed that social reminiscing might be one such protective factor, evidenced by associations with less aggression and fewer alcohol-related consequences as mediated by emotion dysregulation.

#### **52 Predictors of Psychological Distress among U.S. College Students**

Mandi Clark, Murray State University; Esther Malm, Murray state University; Yuliya Phillips, Murray State University

This study examined the relationship between predictors of psychological distress among college students. Results indicated a positive association

between psychological distress and higher fear of COVID-19, more loneliness, and higher financial distress. Students reported significantly higher levels of academic stress during COVID-19 thus demonstrating how the pandemic impacted students' grades.

### **53 Moral Judgment as Categorization (MJAC)**

Cillian McHugh, University of Limerick; Marek McGann; Eric Igou, University of Limerick; Elaine Kinsella, University of Limerick

In response to the observed variability and context sensitivity that poses a challenge to extant approaches to moral judgment, we present moral judgment as categorization (MJAC). MJAC draws on the categorization literature to explain moral judgment as dynamic, context-dependent and goal-directed, offering greater explanatory and predictive power.

### **54 Recommendations for Online Early Childhood Mental Health Consultation**

Christen Park, University of Illinois at Chicago

The Early Childhood Mental Health Consultation (ECMHC) field may benefit from considering ways to leverage digital tools to expand access and efficiency. The current systematic literature review aims to glean from the literature of other fields describing participant experiences of online relationship-based services to make recommendations for online ECMHC.

### **55 Full-Grown Faith: Religious Versus Secular Views of Religious Maturity**

Doug Krull, Northern Kentucky University; Sarah Krull, Villanova University

More religious participants viewed religious maturity as faithfulness to one's religious view, but more secular participants viewed religious maturity as being tolerant and tentative. The religious view of maturity was correlated with general maturity items (e.g., being kind to others, saving money, admitting wrongs), but the secular view was not.

### **56 Moderating Role of Valence in the Perception of Difference**

Magdalena Jabłońska, SWPS University of Social Sciences and Humanities; Andrzej Falkowski, SWPS University of Social Sciences and Humanities; Robert Mackiewicz, SWPS University of Social Sciences and Humanities; Justyna Olszewska, University of Wisconsin-Oshkosh

We test how the perception of difference between objects (here: political candidates) is affected by object valence, the valence of a difference (whether objects differ in positive/ negative features) and content (whether the



difference pertains to morality/ competence). The study adds to research on positive-negative asymmetry and social perception.

**57 Monosexism is Not a Phase: Self-Essentialism, Well-Being, and Bisexual Attraction**

Madeline Sharmat, DePaul University; Verena P Graupmann, DePaul University

While self-essentialism was positively correlated with well-being overall, experiencing attraction to more than one gender was negatively related to self-essentialism in a questionnaire study.



**MPA Invited Presidential Address**

**Common mental disorders in the 21st century: Big problems, small effects, and bigger data**

Lorenzo Lorenzo-Luaces  
Indiana University

Sat. 10:30AM – 12:20PM

Crystal

Moderator: Ximena Arriaga, Purdue University

Common mental disorders like depression are leading causes of disability in the United States and a significant public health concern in parts of the country with few mental health professionals (e.g., many rural areas). I present the results of a program of research focused on solutions to reducing the burden of depression, including studying low-intensity treatment and focusing on individual differences in response to psychological interventions.

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## Applications of Culture in Human Behavior

Sat 12:30PM - 2:20PM

Salon 02

Moderator: Catherine Kwantes, University of Windsor

### **12:30 Emotional-motivational predictors of disordered eating in college students in general and in Asian-American female college students in particular.**

Suejung Han, Illinois State University

This talk will present two related studies. A daily diary study examined emotional-motivational predictors (i.e., negative emotions, thwarted psychological needs, and low felt energy) prediction of disordered eating among college students. A related cross-sectional study examined how cultural factors and thwarted psychological needs predicted disordered eating among Asian-American females.

### **1:00 Preparing Students to Navigate the Changing Face of the World: Cultural Competence Development - Promoting Global Awareness through Class Activities, Service learning and Study Abroad**

Valérie Scott, Indiana University Southeast

In an increasingly diverse world, intercultural competence development (ICD) is an educational priority. Recognizing, respecting, and humbly adapting to cultural differences engenders many positive outcomes. The impact of experiences of increasing degrees of cultural exposure (in-class activities, service learning, faculty-led study abroad) on ICD was assessed. Results showed that in-class culturally focused activities lowered students' ethnocentrism; short-term study abroad and service learning provided adequate encounters of culturally challenging experiences ("cultural ZPD") to significantly nurture ICD.

### **1:30 Gender, Body Dissatisfaction, and Food Preferences Among Colombian Early Adolescents**

Mithra Pirooz, University of Nebraska at Omaha; Lina María Saldarriaga, Aulas em Paz, Bogotá, Colombia; Ana María Velásquez, Universidad de Los Andes, Bogotá, Colombia; Jonathan Santo, University of Nebraska Omaha; Felicia Meyer, Collège André-Grasset, Montréal, Quebec, Canada; William Bukowski

We examined gender differences in body dissatisfaction and food preferences

among Colombian early adolescents. Eating more bread and cereal was associated with body dissatisfaction. Results revealed the opposite regarding fruits and vegetables. Additionally, girls demonstrated greater body dissatisfaction. This study may contribute to the development of interventions for adolescents.

**1:45 Propensity to trust: Impacted by personality, culture, or both?**

Kaitlin Smyth, University of Windsor; Catherine Kwantes, University of Windsor

Propensity to trust is defined as an individual difference which affects one's general willingness to trust. While propensity to trust has been linked in previous research to personality factors, findings suggest culturally learned beliefs also play a role in whether or not an individual has a propensity to trust.

**2:00 Country-Level Gender Equality Explains Coexistence of Abortion and LGB Laws**

Russell Steiger, DePaul University; Andrea Bellovary, DePaul University; P.J. Henry, New York University - Abu Dhabi Campus

We examined pro-choice abortion and LGB rights laws across N=194 countries; they were positively associated. We tested country-level gender equality and equity as mediators of the abortion/LGB law association, while controlling for country-level religiosity, fertility pressures, and individual rights. Gender equality/equity robustly and consistently mediated the abortion/LGB law association.

**Applications of Social Perceptions**

Sat 12:30PM - 2:20PM

Salon 05/08

Moderator: Alexander Swan, Eureka College

**12:30 Impact of Humor During Video Calls**

Morgan Tillery, Northern Illinois University; Lisa Finkelstein, Northern Illinois University

Humor is an effective coping mechanism but the most recent workplace crisis hindered our ability to effectively communicate. Participants were asked to describe either a leader using humor via video or face-to-face or a leader without humor via video or face-to-face. Regardless of medium, humor related to increased communication satisfaction.

### **12:45 Opportunity Thrive**

Llena Chavis, Hope College; Rebekah Schipper, Opportunity Thrive; Abigail Knoner, Hope College

The health of the teachers is directly relevant to the health and success of their students. A college researcher partnered with a community organization to support their research efforts intervention strategies. Informed by their study, these researchers will present an evidence-based program of wellness coaching for k-12 educators.

### **1:00 Gender Inclusion; not as Simple as Asking for Pronouns**

Claire Sandman Malcomb, Cornell University; Emily Zitek, Cornell University

In the current work we examine how even subtle changes in the implementation of gender inclusive ally behaviors impact how transgender, gender non-binary, and cisgender people feel about how inclusive a given manager, co-worker, or work environment is. This work has important implications for how organizations create gender inclusion.

### **1:15 Transphobic Stereotypes and Metastereotypes**

Aisha Khan, University of Kansas; Daphnis McPherson, University of Kansas; Anna Pope, University of Kansas

This study aims to provide data on the content of stereotypes and metastereotypes towards transgender and nonbinary individuals. Results of this research indicate that there are many distinct categories of transphobic stereotypes, and that these transphobic stereotypes are often specific to the unique gender groups to which they are directed.

### **1:30 Basic Emotional Systems and Commitment to Friends**

Destaney Sauls, Oakland University; Virgil Zeigler-Hill, Oakland University

The current study found that the basic emotional systems of playfulness, caring, and seeking had positive indirect associations with friendship commitment through friendship satisfaction and friendship investment, but not perceived quality of alternative friends. In contrast, anger, fearfulness, and sadness had relatively weak associations with friendship commitment.

## **Clinical and Developmental Measurement and Assessment**

Sat 12:30PM - 2:20PM

Salon 01

Moderator: Darrell Rudmann, Shawnee State University

### **12:30 Immune System Functioning and Bias on the Implicit Association Test**

Haemi Nam, The Ohio State University; Baldwin M. Way, The Ohio State University

Using the race IAT, we found that a marker of inflammation, C-reactive Protein, predicted stronger associations between Black people's faces and negative adjectives. In contrast, we found that a drug with anti-inflammatory properties, acetaminophen, weakened these associations. These results suggest that inflammation may influence the associations underlying implicit bias.

### **12:45 Antagonism Explains the Factor Structure of the SRP-4**

Kaela Van Til, Purdue University; Colin Vize, University of Pittsburgh; Joshua Miller, University of Georgia; Donald Lynam, Purdue University  
This study examines the relationship between the Self-Report Psychopathy Scale, Fourth Edition (SRP-4) and the Five Factor Model. The SRP-4 and Antagonism were found to be positively correlated, Antagonism accounted for the overlap between SRP-4 subscales, and the latent correlation examined between Antagonism and SRP-4 psychopathy was effectively 1.0.

### **1:00 My Child Doesn't Recognize Me: The Validation of a Screening Measure for Developmental Prosopagnosia**

Judy Kupchan, The Chicago School of Professional Psychology, Chicago Campus; Kirsten Dalrymple, Institute of Child Development, University of Minnesota; Jed Elison, Institute of Child Development University of Minnesota; Department of Pediatrics, University of Minnesota; Michael Banissy, Department of Psychology, Goldsmiths, University of London; School of Psychological Science, University of Bristol; Sooyeon Sung, Institute of Child Development University of Minnesota; Sherryse Corrow, Bethel University; Afshan Khan, Institute of Child Development, University of Minnesota; Elizabeth Dao, Bethel University

Developmental prosopagnosia (DP) is characterized by severe deficits in face recognition which severely impact children's psychosocial development. This study validated a brief parent-report questionnaire designed to assess everyday face processing in children. A widely accessible parent-report

instrument would permit earlier identification of children with DP, potentially improving their developmental outcomes.

**1:15 Revisiting the factor structure of the Centrality of Events Scale.**

Madeline Bruce, Saint Louis University; Paul Handal, Saint Louis University  
Event centrality is a universal theme when people process traumatic events. That said, those with clinically significant PTSD symptoms intensely ponder the impact of the event on their sense of self and report more nuanced answers on the Centrality of Events Scale that produce a different factor structure.

**1:30 Cross-Cultural Validation of a Two-factor Model for Asian Value Scale-Revised**

Sang Qin, Illinois Institute of Technology; Eun-Jeong Lee, Illinois Institute of Technology; Patrick Corrigan, Illinois Institute of Technology; Arshiya Baig, University of Chicago; Dongha Lee, Hanul Family Alliance  
This presentation examines the factorial structure of Asian Value Scale-Revised and explores model stability cross-culturally. Results supported a two-factor model, suggesting stronger cultural adherence among Koreans living in the US than in Korea. The study implies the importance of developing culturally responsive service delivery in Asian ethnic communities.

**Gender and Sexuality**

Sat 12:30PM - 2:20PM

Salon 03

Moderator: Rebecca Foushée, Lindenwood University

**12:30 Binary Decisions: Predictors of (Non)Binary Transgender Prejudice**

Rebecca Totton, Amherst College

Transgender individuals face disproportionate levels of harassment and discrimination. Despite this, there is limited research evaluating anti-transgender attitudes, and even less examining attitudes toward nonbinary transgender individuals. This talk examines the predictors of anti-transgender attitudes and specifically examines the unique predictors and consequences of anti-non-binary transgender attitudes.

**1:00 An Evolutionary Psychology Perspective on The Global Fertility Slowdown**

Elena Brandt, Florida State University

Economic, demographic, and psychological data from 217 countries reveals that global reproductive patterns are robustly linked to local levels of morbidity and mortality. The links hold over and above conventionally studied factors (contraception, female education) and extend to moral values about reproduction. Findings support the evolutionary perspective on human fertility.

### **1:15 Women's Fear of Rape Motivates Defensive Strategies**

Melissa McDonald, Oakland University; Rachel James, Oakland University; Domenic Roberto, Oakland University

Women's fear of rape (FOR) is positively associated with women's consumption of true crime media, their motivation to consume true crime for the purpose of learning defensive strategies, and their experience of aversive rape fantasies. This is consistent with the idea that women's FOR may function to promote defensive vigilance.

### **1:30 Gender, Sexism, and Personality: Predictors of Sexual Openness and Stigma**

James Woodcock, Southern Illinois University Edwardsville; Tyler Gorbett, Southern Illinois University Edwardsville; Kelly Cruise, Southern Illinois University Edwardsville; Melissa Henry, Southern Illinois University Edwardsville; Joel Nadler, Southern Illinois University Edwardsville  
Working Adults ( $N=212$ ) completed measures of sexism, social media use, general health, and sexual openness and stigma. We found that men and women generally self-reported low levels of sexism and supported gender equality. However, gender differences in sexism and attitudes regarding sex remained.

### **1:45 Can We Improve Attitudes toward Consensual-Nonmonogamy via Priming Romantic Attachment?**

Brieanna Muzzy, University of Minnesota Duluth; Ashley Thompson, University of Minnesota Duluth

This study assessed the relationship between state romantic attachment, romantic jealousy, and CNM attitudes. Although the results revealed that the romantic attachment manipulation did not have a significant impact on CNM attitudes, behavioral markers of romantic jealousy were positively associated with CNM attitudes.

### **2:00 Who is More Politically Active? Politics, Gender, and Social Media**

Tyler Gorbett, Southern Illinois University Edwardsville; Kelly Cruise,

Southern Illinois University Edwardsville; Melissa Henry, Southern Illinois University Edwardsville; James Woodcock, Southern Illinois University Edwardsville; Joel Nadler, Southern Illinois University Edwardsville  
Working Adults ( $N=209$ ) completed measures of political affiliation (far Left to far Right), political activities, social media use, general health, and demographics including education, income, and gender. Political affiliation was unrelated to the other variables, but education, gender, health, and social media use predicted more political activities.

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**Student Preparation for Specialty-Track Training in Rehabilitation Psychology and Neuropsychology**

Sat 12:30PM - 2:20PM

Salon 10

**12:30 Student Preparation for Specialty-Track Training in Rehabilitation Psychology and Neuropsychology**

Amanda Wisinger, The Chicago School of Professional Psychology; Janina Kamm, The Chicago School of Professional Psychology

This trainee-focused session will discuss preparation for specialty internship/postdoctoral training tracks in the fields of rehabilitation psychology and neuropsychology. Students from non-traditional backgrounds are especially encouraged to attend, as free and universally available training resources will be highlighted (e.g. online didactic series, podcasts, etc.).



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**Basic Advocacy for Environmental Attitudes and Behavior: A Systems Approach**

Sat 12:30PM - 2:20PM

Salon 06/07

**12:30 Basic Advocacy for Environmental Attitudes and Behavior: A Systems Approach**

Tia Turner, University of Dayton; Sarah Clark, University of Dayton; Roger Reeb, University of Dayton

Participants will leave the session with resources/tools for developing advocacy initiatives to promote pro-environmental attitudes/behaviors on different systems (Bronfenbrenner, 1979; Reeb et al., 2017), including proximal, work or school, community, political/policy systems.

Guidelines and example psychometric instruments for assessing the effectiveness of such advocacy initiatives are also provided.

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**Increasing Child Engagement during Therapy via Telehealth**

Sat 12:30PM - 2:20PM

Salon 12

**12:30 Increasing Child Engagement during Therapy via Telehealth**

Paula Morris, Southeastern Missouri University; Brittany Tillman

The goal of this session is to share ideas and processes for increasing child engagement in therapy via telehealth. Successes and lessons learned will be celebrated. Planning, flexibility, and communication will be emphasized. This session will include an interactive discussion, and props used to facilitate therapy for children via telehealth.

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## Clinical and Developmental Poster Session II

Sat 12:30PM - 2:30PM

Upper Exhibit Hall

### **1 The Effect of Ethnic Identity and Mindfulness on Health Outcomes**

Olivia Staples, Indiana University-Purdue University Indianapolis; Tamika Zapolski, IUPUI

Black young adults report lower or comparable psychological distress and substance use to their peers. Ethnic identity and mindfulness may play a role in decreasing risk. This study will examine the unique and interactive effect of ethnic identity and mindfulness on psychological distress and substance use among Black young adults.

### **2 Predicting Subjective Well-being in Emerging Adults**

Klarissa Matanos, Michigan School of Psychology; Erica Medina, Michigan School of Psychology; Maria Berganza, Michigan School of Psychology; Dustin Shepler, Michigan School of Psychology

Results from secondary analysis of the EAMMi2 data indicated that mindfulness, efficacy, and social support uniquely added to the prediction of subjective well-being (SBW); need to belong did not. Results are consistent with past studies, add insight into within-group construction of SWB, and have implications for therapy and research.

### **3 The Relationship between Neighborhood Safety and Substance Use: The Role of Self-Esteem and Social Support**

Ariel Hicks, IUPUI; Casey A. Pederson, Indiana University School of Medicine, Department of Pediatrics; Shirin Khazvand, IUPUI; Richelle L. Clifton, Indiana University Purdue University Indianapolis; Peyton Carroll, Indiana University; Ian Carson, Indiana University-Purdue University Indianapolis; Jenna Harvey, Indiana University Purdue University Indianapolis; Jessica Barnes-Najor, Michigan State University, Office for Public Engagement and Scholarship; Tamika Zapolski, IUPUI

The mediating effect of self-esteem and the moderating role of social support in the relationship between perceptions of neighborhood safety and youth substance use was tested. Lack of neighborhood safety was positively associated with all substance use outcomes, with self-esteem mediating the relationship. Moreover, adult support buffered this risk pathway.

#### **4 COVID-19 Distress and Adolescent Mental Health**

Meredith Whitfield, Western Kentucky University; Amy Brausch, Western Kentucky University

The current study sought to extend the current COVID-19 literature by examining the psychological impact of pandemic-associated distress in adolescents throughout the pandemic. COVID-19 distress early within the pandemic was predictive of adolescent loneliness and suicide ideation 6 months later in the pandemic, when controlling for baseline constructs.

#### **5 Sleep quality associates with suicide ideation and NSSI in adolescents**

Sydney Graham, Western Kentucky University; Kendra Rigney, Western Kentucky University; Amy Brausch, Western Kentucky University

The current study examined the relationship between sleep quality and both nonsuicidal self-injury (NSSI) and suicide ideation in adolescents, and whether gender moderated these relationships. Results suggest that poor sleep quality is associated with both NSSI and SI and these relationships are similar for boys and girls.

#### **6 Social Anxiety: A Set Back for First-Generation College Students?**

Ingrid Morales-Ramirez, University of Toledo; Senel Poyrazli, Penn State University - Harrisburg; Christopher Jurgens, University of Toledo; Mojisola Tihamiyu, University of Toledo

The present research examined socially anxious behavior among first-generation and non-first-generation college students in response to fear of evaluation cognitions, social situations, and performance situations. Results revealed first-generation college students reporting greater social anxiety within social situations, performance situations, and in response to fear of evaluation cognitions.

#### **7 Associations between Internet Activities, Body Positive Content, and Disordered Eating**

Mary Tisko, University of Nebraska at Omaha; Juan Casas, University of Nebraska at Omaha; Jonathan Santo, University of Nebraska Omaha  
College students completed an online questionnaire on online media use, body positive content, and eating disorder symptomatology (EDS). Online media use positively correlated with EDS while body positive content negatively correlated with EDS. Future studies should consider how different types of body positive content impact this relationship.

#### **8 Difference between males and females anxiety pre and peri pandemic**

Claire Voss, San Diego State University; Shea O'Donnell, San Diego State

University; Grace Weatrowski, San Diego State University; Alejandra Gonzalez; Jessica Mueller-Coyne, San Diego State University; Katherine Turner, San Diego State University

COVID-19 increased rates of anxiety, and generally women report higher anxiety levels. The current study compares anxiety levels before and during the COVID-19 pandemic for men and women. Findings indicated that anxiety was significantly higher for women during the pandemic versus before, but no significant changes were found for men.

### **9 Affect as Predictor in ADHD Children's Recovery from Negative Emotions**

Tiarra Abell, University of Louisville; Paul Rosen, University of Louisville; Helena Alacha, University of Louisville; Meaghan Flynn; Anna Olczyk, University of Louisville; Joseph Reese; Olivia Shaffer, University of Louisville

This study examined how positive and negative affect predicted physiological reactivity and recovery during a stress task among children with and without ADHD using Ecological Momentary Assessment (EMA) and Impedance Cardiography methodologies. It is among the first to demonstrate the relation of ecologically-valid (EMA-derived) to internally-consistent (physiological assessment) emotion regulation.

### **10 Suspend--a quick and efficacious screener for childhood AD/HD**

Lucinda Woodward, Indiana University Southeast; Kirsten Brophy, Indiana University Southeast

Chart review of 20 children under the age of 14 assessed a simple and efficacious behavioral screener for AD/HD using a game--Suspend.. This method had high test-retest reliability, good predictive and concurrent validity, was engaging for children, and minimized cost and time investment.

### **11 Adolescent Adjustment: Number of friends, Social Withdrawal, and Peer Victimization**

Afrah Rasheed, University of Nebraska at Omaha; Mithra Pirooz, University of Nebraska at Omaha; Jonathan Santo, University of Nebraska Omaha; William Bukowski

Social interaction is incredibly influential during adolescence. This study examined the effects of social withdrawal and total number of friends on peer victimization among adolescents in Barranquilla, Colombia and Montréal, Canada. The findings of this study support that social withdrawal and having more friends were significant predictors for peer victimization.

### **12 Predictors of Premature Treatment Termination, Trauma, and Strategies**

Kathy Dowell, University of Minnesota Duluth; Emily Calhoon, University of Minnesota Duluth; Marissa Marsolek, University of Minnesota Duluth; Alison Cruikshank

Individual, family, and systemic predictors of premature treatment termination will be reviewed, with an emphasis on the role of trauma. Empirically supported strategies for enhancing treatment engagement by youth and families as a method for reducing early termination risk will also be reviewed including how they address specific risk factors.

### **13 Attachment, Emotion Regulation Profiles, and Negative Outcomes**

Davelle Cheng, Iowa State University; Meifen Wei, Iowa State University  
Two latent profiles of emotion regulation strategies were identified. Those with attachment anxiety and avoidance were more likely to be in the “Ruminating Evaders” profile than the “Emotion Expressers” profile. Moreover, those in the “Ruminating Evaders” profile were more likely to report higher anxiety, depression, loneliness and academic stress.

### **14 The Relationship between Housekeeping and Depressive Symptoms During COVID-19 Lockdown**

Cheryl Cherian, Fielding Graduate University; Tiffany Field; Connie Veazey; Debra Bendell

Results of this COVID-19 lockdown activities study indicated that living alone paired with liking being at home predict 18.9% of the variance in depressive symptoms. Engagement in housekeeping significantly added to this model, with the three variables predicting 21% of the variance in depressive symptoms experienced during the COVID-19 lockdown.

### **15 Effects of Concussions on Cognitive Functions During Multimedia Learning**

Jordyn Wainio, Adrian College

This study was conducted to evaluate the degree of effects that concussions have on working memory functions, specifically with encoding information in multi-media environments. The implications of this research are that educators need to be conscious of memory effects in individuals who have sustained concussions when using multimedia platforms.

### **16 Association Between Victimization and Academic Functioning Mediated by Positive Relationships**

Hannah McIntyre, University of Nebraska at Omaha; Hellen Tsuruda; Josafa

Da Cunha, Federal University of Parana in Curitiba; Jonathan Santo, University of Nebraska Omaha

Positive relationships serves as a mediator for the association between victimization on academic functioning for Brazilian adolescents from over 25,000 schools. The negative association between victimization and academic functioning was significantly mediated by positive relationships. All told, the predictors accounted for 60.5% of the variability in academic functioning between schools.

### **17 Anxiety, Depression, and University Involvement in College Students**

Brendan Weed, University of Northern Iowa; Elizabeth Lefler, University of Northern Iowa; Sebastian Montesinos, University of Northern Iowa

First-year undergraduate students completed questionnaires on psychopathology, well-being, and college life. Impairment in self-concept and academics, and a more distant social network correlated with depression and anxiety. Surprisingly, more campus involvement was associated with anxiety. First-year students should be taught to balance being social without over-committing themselves.

### **18 Giving up or waiting it out? Predicting stress resilience with ultrasonic vocalizations**

Nathaniel Stafford, Marietta College

Passive coping strategies during stress typically reflects vulnerability to the negative consequences of stress and are interpreted as “giving up.” Here we demonstrate using a rodent model that passive coping may reflect an adaptive process associated with “waiting it out.”

### **19 Latent Classes of Adverse Childhood Experiences Differentially Experience Health Outcomes**

Aaminah Khan, Rosalind Franklin University of Medicine and Science; Steven A. Miller, Rosalind Franklin University of Medicine and Science

Latent Class Analysis was performed on a general population sample from the 2019 Behavioral Risk Factor Surveillance System to examine links between Adverse Childhood Experience (ACE) classes and health outcomes (depression, heart attacks, and overall health). Classes defined by more ACEs experienced more problematic health outcomes.

### **20 Reappraising Anxiety as Excitement in Public Speaking: A Replication**

Michelle Poynter, Avila University; Léa Morvan-Pereur, Avila University; Lindsay Wing, Avila University; Samuel Ziglinski, Avila University; Marcia

Pasqualini, Avila University

In a replication of Brooks (2014, Study 2), we examined whether reappraising anxious arousal as “excitement” before an evaluated speaking task improved performance, compared with trying to feel calm. Contrary to Brooks, we found no difference on performance ratings between conditions in our college student population.

### **21 Cognitive Test Anxiety: Role of Perfectionism and Self-Efficacy**

Shaheen S. Munir, Wartburg College; Sabah Munir, Northwestern University  
Relationships between test anxiety, self-efficacy, and perfectionism were examined. ANOVA procedures showed that high self-evaluative perfectionism and low self-efficacy were related to high test anxiety. A significant interaction between self-evaluative perfectionism, conscientious perfectionism, and self-efficacy also existed. Results have implications for the role of self-efficacy and perfectionism on test anxiety,

### **22 Observed Parenting and Stress in a Parent-Child Interaction Task**

Uma Guarnaccia, Northwestern University; Shiyu Wang, Department of Psychiatry, Yale University School of Medicine; Shaina Barreto, Department of Psychiatry, Yale University School of Medicine; Tara Chaplin, Department of Psychology, George Mason University; Rajita Sinha, Yale University  
We examined the relationships between parent stress and parenting stress, and observed, blindly rated, parenting responses to young children in a structured parent-child task. Higher parent stress was associated with both greater parenting stress and negative parenting behaviors. Interventions that reduce parent stress may improve parenting to decrease child psychopathology.

### **23 Stress, Executive Function, Coping, and Internalizing Symptoms Among Adolescents**

Noah Schlossman; Mareta Eberhardt; Dylan Wellman; Alexander O'Donnell, DePaul University; Kathryn Grant, DePaul University

This study aims to compare the potential moderating effects of executive functioning and maladaptive coping strategies in the longitudinal relationship between stress exposure and internalizing symptoms among adolescents. We will test our hypotheses using moderated multiple regression. Preliminary analyses indicated significant bivariate associations among all variables in the expected directions.

## **24 COVID and Social Anxiety Amongst College Students**

Clayton Crozier, Eastern Illinois University; Wesley Allan, Eastern Illinois University

COVID-19 has been associated with negative mental health outcomes, and has lead to much uncertainty. Intolerance of Uncertainty (IU) may be a mediator between social anxiety and the fears of COVID-19. We propose a study examining whether IU is a mediator between social anxiety and fears of COVID-19 in college students.

## **25 Burnout and Self-Care in Psychologists and Trainees**

Ethan Reischling, Michigan School of Psychology; Kenneth McDermott

This presentation aims to discuss burnout, its impact across the field of mental health, self-care, and self-care education among professionals and mental health graduate level programs

## **26 The Impact of Urban Life Experiences on Sleep in Adolescents**

Emily Feldman, DePaul University

The present study aims to determine if stressors are associated with poorer sleep outcomes in 159 adolescents living in an urban community. There was a significant negative correlation between UALES scores and sleep quantity. Surprisingly, Daily hassles were positively related to sleep quality. Implications will be discussed.

## **27 Stress and burnout during the COVID-19 pandemic**

Smita Khobragade, St. Cloud State University; Hannah Warehime, St. Cloud State University; Sabina Scotti, St. Cloud State University; Amanda Hemmesch, St. Cloud State University; James Cottrill, Saint Cloud State University; Ann Finan, Saint Cloud State University; Sandrine Zerbib, Saint Cloud State University

Telephone surveys were used to collect data about stress and burnout during the COVID-19 pandemic from a random sample of 216 Minnesotans (51% women, 74% white, Mage = 53.01, SD = 18.23). Stress and burnout were higher for women than men, and employed participants reported more burnout than others.

## **28 Masculinity's Impact on Sexual Victimization, Emotion Dysregulation, and Sexual Difficulties**

Seth Wilensky (He/Him/His), Miami University; Maxwell Katsikas, Miami University; Lee Eshelman, Miami University; Terri Messman, Miami University

We examined the impact of men's adherence to the hypermasculine sexual



persona norm on associations between sexual victimization, emotion dysregulation, and dysfunctional sexual behavior (DSB). Greater norm conformity strengthened associations between sexual victimization and DSB. Emotion dysregulation mediated associations between lifetime sexual victimization and DSB.

### **29 Exploring Child Welfare Staff Experiences to Build Trauma-Informed Settings**

Uma Guarnaccia, Northwestern University; Patricia Garibaldi, Northwestern University; Linzy Pinkerton, Northwestern University; Cassandra Kisiel, Northwestern University

Child welfare staff experiences were qualitatively explored throughout a 9-month quality improvement initiative providing trauma-informed trainings to staff and managers working with system-involved youth. Lower staff wellbeing was observed when dealing with organizational barriers. Trainings provided strategies for building individual resilience, positive coping, and organizational resilience.

### **30 The Relationship between Past Trauma and Coping Strategy Formation**

Lucas Marinack, University of Dayton; Maggie Herms, University of Wisconsin-La Crosse

A study conducted at and funded by the University of Wisconsin-La Crosse examined past traumatic experiences and their influence on coping strategies formation. It was found those with more adverse childhood experiences (ACE) reported utilizing maladaptive coping more frequently than those with lower ACE scores.

### **31 Trauma-informed Practice: A School-based Initiative**

Michele Miller, University of Illinois Springfield; Meghan Kessler, University of Illinois Springfield; Julia Mayes, University of Illinois in Springfield

Elementary educators indicated a lack of confidence in dealing with students' emotional and behavioral challenges, exacerbated by the COVID-19 pandemic. The student-educator relationship emerged as integral to trauma-informed practices and social-emotional learning. A lack of resources and support, especially from parents, was a main theme in barriers to students' success.

### **32 Child Maltreatment and PTSD Symptom Cluster Severity in Revictimized Women**

Sanjana Conroy, Miami University; Selime Salim, Miami University; Terri Messman, Miami University

We examined the association of five types of child maltreatment and PTSD symptom cluster severity in young adult bisexual women who experienced adult sexual assault. All types of childhood maltreatment were significantly associated with increased symptom severity for all PTSD symptom clusters. Implications are discussed.

### **33 Growth after Collective Trauma: Application of a Post-traumatic Growth Intervention**

Christopher Jurgens, University of Toledo; Mojisola Tiamiyu, University of Toledo; Ingrid Morales-Ramirez, University of Toledo

Collective traumatic events (CTE; e.g., natural disasters) predict anxiety, depression, and post-traumatic stress, yet post-traumatic growth (PTG) has gone unexamined. This online experiment investigates a PTG intervention within a community sample exposed to a CTE (i.e., COVID-19). The effectiveness of online interventions and role of PTG in CTE are discussed.

### **34 Impact of Adverse Childhood Experiences on Substance Abuse-Related Misdemeanors**

Gwendolyn Wheatley, Cleveland State University; Terrin Akstens, Cleveland State University; Marissa Dongarra, Cleveland State University; Liz Goncy, Cleveland State University

We examined the impact of Adverse Childhood Experiences (ACEs) on substance abuse-related misdemeanors. We found that only living with someone with alcoholism or drug addiction was significantly related to substance abuse-related misdemeanors when examined in conjunction with the other ACEs.

### **35 Binge Eating and Suicidal Ideation Predicting past year Sexual Assault for College Students**

Kristy Keefe, Western Illinois University; Sharon Moore, Western Illinois University; Sydney Verdino, Western Illinois University

The relationship between binge eating and suicidal ideation for college students who have experienced recent sexual assault is relatively unknown. 27,481 student responses from The Center for Collegiate Mental Health database were included. Those who have higher binge eating and suicidal thinking predict those who have experienced recent sexual assault.

### **36 Preliminary Reliability of the Adverse Experiences Scale**

Rebecca Jarvis, Michigan School of Psychology; Carly Percy  
Existing measures of trauma tend to overlook “little” traumas (i.e., polyvictimization), or less intense events that occur repetitively (e.g., bullying, exposure to violence in the home, etc.). This led to the creation of the Adverse Experiences Scale, which revealed satisfactory internal consistency and reliability through an EFA.

### **37 Undergraduate Student Leaders: Roles and Impact on Mental Health**

Nicole R. Rivera, North Central College; Lorraine Kucharski, North Central College; Perla Rizo, North Central College; Emily Vickers; Monte (Sarah) Wang, North Central College

Student leaders are important members of the cultural system at colleges. 26 interviews were completed with student leaders to examine the role of student leaders and the implications on mental health. Student leaders provide a bridge between the institution and students, connect their peers to resources, and provide social support.

### **38 Adolescent psychological resilience during COVID-19**

Maegan Ruiz, Washington University in St. Louis; Mateo Hain; John Hanrahan; Jenalee Doom; Chris Rozek, Washington University in St. Louis  
In what ways did students operationalize resilience during the pandemic school closures as shared through self-report questionnaires? Students reported activities and traits at much higher levels than self-regulation strategies, thereby signalling opportunities for targeted interventions. Our work sets the stage for exploring interventions linking traits, strategies, and activities.

### **39 Injury Risk Attitudes of Young Adult Skateboarders**

Russell Ravert, University of Missouri; Kyle Oberfranc, University of Missouri; Erin Dannecker, University of Missouri

Mixed methods were used to examine skateboard injury attitudes and experiences among 26 young adult skateboarders recruited from a public US skateboard park. Most participants (76.0%) reported injuries requiring professional treatment. Injury risk was widely described as inherent in the sport, with self-regulation strategies identified as downplaying, managing, and embracing.

### **40 Adolescent Social Status Insecurity and Health: An Exploratory Study**

Yunyi Long, DePaul University

We examined whether adolescent Social Status Insecurity is related to

adolescent health. The findings implicate that adolescent SSI is associated with health complaints and sleep problems. Adolescents with higher social status suffered from poor subjective health if also experienced SSI.

#### **41 Surveying Play Opportunities: Piloting a New Measure**

Jessica Pleuss, Morningside University; Brooklin Webb, Morningside University; Jessica Flores, Morningside University

The importance of play in children's development is difficult to understate, yet surprisingly little is known about the types and availability of play opportunities afforded to children in their everyday lives, outside of school. This study pilots a new measure to assess play opportunities available to children in non-school settings.



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----- Friday, April 22, 2022 -----



**STP Invited Address**

**Navigating difficult moments in teaching diversity and social justice**

Mary E. Kite  
Ball State University

Fri. 9:00AM – 10:15AM

Crystal

Instructors face unique challenges when they address social justice and diversity-related content in their classrooms. In this talk, I will discuss strategies for navigating these challenges, including how to effectively address student biases, lead enriching discussions, manage students' emotions, and respond to students' comments in ways that maintain a welcoming classroom climate.

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## STP Symposia

Fri 9:20AM – 2:30PM

Salon 04

### **9:20 Assessing Department Climate and Supporting Inclusive Practices**

Nicole R. Rivera, North Central College; Leila Azarbad, North Central College; Liana Peter-Hagene, North Central College

This roundtable session will discuss efforts to assess department climate to support inclusive practices. 120 undergraduate students completed a department survey to provide feedback about sense of belonging and department opportunities. After sharing our process and findings, we will engage attendees in a discussion about assessment strategies and facilitating change.

### **10:10 Mastering APA Style and scholarly writing using a digital workbook**

Hayley Kamin, American Psychological Association

APA Style guidelines provide a foundation for effective scholarly communication. This session presents the learning science behind the new *Mastering APA Style Student Workbook*, a digital tool for teaching and learning APA Style, including performance and engagement metrics and ways it enhances students' mastery of APA Style and scholarly writing.

### **1:00 Neuroscience on a Budget**

William Eiler, Franklin College; Jamie L. Bromley, Franklin College; Ryan Rush, Franklin College; Robert Bromley

Behavioral neuroscience is a complex subject to teach, a task made even more difficult when done in small liberal arts college with a limited budget. In this presentation, we discuss our journey in teaching neuroscience through engaged learning from General Psychology to Behavioral Neuroscience and everything in-between.

### **1:50 Hacking the Ingroup Bias to Increase Empathy**

Beth Lyon, University of Nebraska at Omaha; Keri Kytola, University of Nebraska at Kearney

Ingroup bias broadly refers to the formation of a group of similar individuals based on meaningful or arbitrary reasons. In this study,



students were asked to find commonalities with strangers to form micro-groups and assess their biases. Students' responses to several questions about their experiences with the assignment were examined.



**STP Invited Address**

**Learning to Teach Effectively is a Developmental Process**

Meera Komaraju  
Southern Illinois University, Carbondale

Fri. 10:30AM – 11:50AM

Chicago

Is the ability to Teach Effectively innate or learned? Komaraju makes the case that the ability to teach effectively is a developmental process and learning can make a positive difference. She will share data as well as offer strategies that you can consider implementing toward enhancing teaching in your classroom.

## STP Poster Session

Fri 10:30AM - 12:20AM

Upper Exhibit Hall

### **12 Making Google-Resistant Exams and Quizzes**

Karen Vittengl, Truman State University; Yuna Ferguson, Truman State University; Fredric Shaffer, Truman State University; Katherine Judd, Truman State University; Ashley Ramsey, Truman State University

This poster makes several suggestions about how to write exam items which students cannot easily answer through internet searches. Searching questions yields a wealth of information about what students will see. Techniques, such as incorporating celebrity or product names can yield results that promote learning and academic honesty.

### **13 Students' Perceptions of HyFlex Course Design/Instructional Methods Related to Academic Success During Covid.**

Dr Jill Sudak-Allison, Grand View University; Krsitine Owens, Grand View University

College students' perception of their academic locus of control can impact the amount of effort and satisfaction derived from assignment completion. This study examined: How Covid-19 impacted assignment completion? How students' adapted to HyFlex? What instructional methods were most helpful? & What were students perceptions related to locus of control?

### **14 Bringing college-to-career into the classroom**

Teddi Deka, Missouri Western State University

Psychology as a discipline provides opportunity to incorporate experiences contributing to well-being. The transition from college to career includes identity development, goal-setting, motivation, and changes in cognition. This research investigates using lecture inserts and journal-writing within a developmental psychology class to facilitate perception of college-to-career challenges.

### **15 Improving ethical reasoning in a research methods course**

Jessica LaPaglia, Morningside University

In a Research Methods course, students worked through examples of ethically questionable research. They acted as if they were members of the IRB and evaluated the research. A final assignment was assessed and showed improvement in all measured skills related to ethical reasoning.

## **16 Academic workload and quality of life under the influence of stress and resilience in college students**

Quang Anh Nguyen, Luther College; Edis Pajic; Tanner Olsen

Our aim is to investigate the relationship of academic workload, which is measured via weighted credits taken in one semester, and quality of life among college students. We hypothesized that more credits increase stress and subsequently decrease quality of life, and resilience will serve as a protective buffer.

## **17 Qualitative Assessment of Students' Science Attitudes Following Neuroscience Outreach**

Rebecca Gilbertson, University of Minnesota -- Duluth; Mariah Ravet, University of Minnesota-Duluth; Emily Schulz, University of Minnesota Duluth; Kristen Jones, University of Minnesota Duluth

This multi-year outreach study examined middle school students' science attitudes using a pre-post design. Students ( $N = 750$ ) completed paper/pencil brain cap and sheep brain activities. Results show that students preferred small group hands-on activities and interacting with university students, especially during class periods earlier in the day.

## **18 Disorders, politics, medical procedures, aliens: Student perceptions of faculty self-disclosure**

Steven J. Hoekstra, Kansas Wesleyan University; Jovan Hernandez, Metropolitan State University of Denver; Katherine Hill, Metro State University Denver; Cynthia Erickson, Metro State University Denver

Students rated professors' self-disclosures across a variety of possible topics. Self-disclosure was perceived as an effort at bonding on the part of the professor, and it increased liking. It was seen as reasonably professional and appropriate when related to course content. Moral violations and over-personal disclosures were perceived more negatively.

## **19 Assessing model online teaching using the Teacher Behavior Checklist-Online**

Georjeanna Wilson-Doenges, University of Wisconsin-Green Bay

Online teacher quality was measured using the new Teacher Behavior Checklist-Online. Through results from 300 undergraduates we were able to identify significant differences in teaching behaviors between best and worst online instructors, giving teachers tools to assess their online teaching and strive to adopt the behaviors of model online teachers.

## **20 Redesigning a Psychology Capstone: Focusing on Skills and Career Planning**

Emily Stark, Minnesota State University, Mankato; Andrea LR Lassiter, Minnesota State University, Mankato; Kristie Campana, Minnesota State University, Mankato; Angelica Aguirre, Minnesota State University, Mankato; Adam Steiner, Minnesota State University, Mankato; Karla Lassonde, Minnesota State University; Brad Arsznov, Minnesota State University, Mankato

The APA goals for the undergraduate major include professional development and preparation for graduate study or the workforce. This poster describes a flexible capstone requirement for psychology majors that focused on career development and graduate school. We discuss assessments of these professional development activities and recommendations for instructors.

## **21 College Teachers' Attitudes About Disliked, Typical, and Best Students**

Guy Boysen, McKendree University; Peyton Osgood; Colby Price, McKendree University; Aliyah Rollins

Management of difficult student behaviors is an essential teaching skill, but there is little research on why some teachers develop an intense dislike of difficult students. The current research examined if psychology teachers who have intensely disliked a student possess more negative attitudes toward students in general.

## **22 Using a Magic Trick Demonstration as a Critical Thinking Activity**

Emily Stark, Minnesota State University, Mankato; Michael Callahan  
Critical thinking skills are central to the discipline of psychology and are considered important \ skills expected of college students. This poster describes an activity incorporated into a Research Methods Course for psychology majors that used a demonstration of a magic trick by a professional magician to encourage critical thinking.

## **23 Using Forecasted vs. Measured Big 5 Scores to Predict Grades**

Ryan Brunner, Westminster College

How well do students know themselves? The current research asked introductory psychology students to forecast their scores before taking the BFI (Soto & John, 2009). Results showed that forecasted scores correlated with measured scores in each of the five domains; however, only measured levels of conscientiousness successfully predicted end-of-semester grades.

## **24 Improving Student Learning and Confidence in Research Methods and Statistics**

Meghan Kahn, Indiana University-Southeast; Christine Adams, Indiana University Southeast

Transparency in teaching and learning (TILT) involves making the purpose and objectives of assignments clear to students. In this intervention, assignments for a methods and statistics class were redesigned to be transparent. Initial data showed that high usage of TILT resulted in significantly higher self-rated methods and statistics knowledge.

## **25 Supporting Effective Encoding Strategies to Enhance Learning in College Students**

Hajar Ismail, Roosevelt University; Jessica Lanctot, Roosevelt University; Franchezka Lapitan; Andrea S. Tan; Max Obolsky, Roosevelt University; Steven A. Meyers, Roosevelt University

Many students enter college without having effective encoding strategies to learn. Oftentimes, instructors do not dedicate class time to teach effective strategies. Encouraging a spaced study plan, concept cards, active learning techniques, and other methods can all be used to deliver content, and to teach proficient encoding.

## **26 Measuring Impact of Electronic Devices: Development of the Device Use Inventory**

Brandon Whittington, Jefferson College

An initial version of a 15-item questionnaire was developed to assess self-reported frequency of device use, device-related anxiety, and device distraction during class among college students. Device use, as reported on the DUI, was negatively associated with current semester GPA, even after controlling for age, academic self-efficacy, grades, and high school GPA.

## **27 Research as a Path to Equity**

Eve Willadsen-Jensen, North Hennepin Community College

This study looked at student-directed experiential research in a community college setting. BIPOC students were more successful compared to white students when given ownership over a research project. This is consistent with Self Determination Theory and suggests that authentic research experiences contribute to BIPOC student success.

## **28 Are online exams as effective as in-class exams?**

Dahwi Ahn, Iowa State University; Jason C.K. Chan, Iowa State University  
The prevailing wisdom amongst many instructors is online exams are too

easy and undiagnostic. We investigated whether online exams are indeed less diagnostic than in-person exams in a high stake, naturalistic environment. Specifically, we compared exam scores during Spring 2020, in which exams switched from in-person to online administration mid-semester.

### **29 The Impact of Emotional Difficulties on Learning during COVID-19**

Jessica Lanctot, Roosevelt University; Franchezka Lapitan; Andrea S. Tan; Max Obolsky, Roosevelt University; Hajar Ismail, Roosevelt University; Steven A. Meyers, Roosevelt University

The COVID-19 pandemic has led to emotional difficulties among college students, negatively impacting their ability to learn. Providing support to those students is necessary to aid in their academic development. Concerted efforts by educators to increase interpersonal connectedness via online learning can decrease the negative emotional impact of the pandemic.

### **30 Engaging Students in Real Life Analyses with Open Science**

Megan Nadzan, University of Delaware

There often is a disconnect between learning about the content and implementing statistical analyses independently among undergraduate introductory statistics courses. Thus, I have developed a project to allow students to solidify these important skills.

### **31 Improving metacognitive skills: A case study in Introductory Psychology**

Julie Eyink, University of Southern Indiana

To help students succeed, we should target metacognition, or knowing what we do/don't know. In my Introductory Psychology course, I focus on having a textbook with built-in metacognitive activities (e.g. pretests, learning checks, and adaptive software), using clicker questions and group discussion, and exam wrappers to examine study habits.

### **32 Increasing Inclusivity for Introverts in College Classrooms**

Yingning Wang, Roosevelt University; Lydia Kudret, Roosevelt University; Meta Surjaputra, Roosevelt University; Yunah Woo, Roosevelt University; Maggie Collins, Roosevelt University; Steven A. Meyers, Roosevelt University

**Many instructors notice higher participation from extroverted students and lower participation from introverted students. By understanding influences on introverted and extroverted students' participation (i.e., cultural factors), instructors can better design classroom environments to**

**equalize participation. In this presentation, we will discuss considerations and recommendations.**

### **33 Investigating your community: How CBL can enhance student learning**

Sarah Cassella, Loras College

In a general education psychology class, Drugs and Human Behavior, a group community-based learning assignment was employed that required students to research, write, develop, and evaluate the effectiveness of an educational intervention. This assignment increased student learning of course topics as evaluated by a pre-and post-project survey.

----- Satrday, April 23, 2022 -----

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## STP Symposia

Sat 9:30AM – 1:20PM

Salon 04

### **9:30 Psychology in Medical School--Interdisciplinary Teaching**

Dawn Graham, Ohio University Heritage College of Osteopathic Medicine  
Oftentimes, we get 'stuck' teaching in our own discipline. During this session, we will discuss ways in which psychologists can influence medical education. Learning and teaching in an interdisciplinary environment has the ability to allow psychologists to think even further outside of the box.

### **12:40 Compassion as a Strategy to ameliorate stress in the classroom**

Seyma Inan, Mercyhurst University

This roundtable discussion will focus on compassion as a teaching technique to reduce students' stress and anxiety level in classrooms. Compassion-based teaching techniques such as making ourselves available to students to increase quality communication, identifying situations where students need compassionate solutions from their professors, and talking about compassion fatigue will be discussed.

## STP Roundtable II

Sat 8:30AM - 12:30AM

Salon 09

### **8:30 Paths to Decolonizing Psychology Curriculum**

Nancy J Bothne, The Chicago School of Professional Psychology; Cynthia Lubin Langtiw, The Chicago School of Professional Psychology

There have been historical and recent calls to address the settler colonial influence in our field of psychology. Join this roundtable discussion to hear about strategies being used in the home clinical psychology department of facilitators. Be prepared to share your own progress, experiences and challenges as well.



### **9:20 Increasing morale in online/virtual learning for college students.**

Andrea Tan, Roosevelt University; Franchezka Lapitan; Hajar Ismail, Roosevelt University; Jessica Lanctot, Roosevelt University; Max Obolsky, Roosevelt University

While online synchronous classes have afforded flexibility and convenience for students to participate in virtual learning throughout the COVID-19 pandemic, there has been observed reduction of engagement from students in virtual platforms. Thus, increasing student morale through active learning techniques can help overcome the challenges of limited engagement and participation online.

### **10:10 Cultural Implications of Participation in Class in Higher Education**

Arwa Ansari, Roosevelt University; BJ Rudd, Roosevelt University  
Historically, institutions have relied on participation requirements for students without acknowledging and honoring the impact and influence of their intersecting identities and culture. As academia continues to diversify, its expectations, policies, and requirements must accommodate students and instructors alike in order to enhance retention, participation, and success in higher education.

### **11:00 The Mutual Benefits of Undergraduate Teaching Assistant & Independent Researcher Roles**

Pirita See, South Dakota State University; Alyssa Gentile, South Dakota State University; Erin Holmberg, South Dakota State University; Chloe Leach, South Dakota State University

Incorporating Undergraduate TA and Independent Researcher roles in the psychology curriculum involves many benefits. We approach these opportunities from mentees' and mentors' perspectives, with attention to the power dynamics and disparate goals involved. Outlining strategies for success and common challenges, we explain how they reinforce relationship-building and team-based problem solving.

### **11:50 “Up-gaging”: Concrete ways to Create an Inclusive and Engaging Classroom**

Trevor Bell, Kansas State University; Taylor Simonson, Kansas State University

“Up-gaging:” Create an (*up*)lifting and en(*gaging*) classroom for all students. Our discussion will help you to learn and apply “up-gaging” techniques,

provide you with resources that will help you engage your students inclusively, and empower you to be confident in your own teaching practices.



**STP Invited Address**

**Improve Learning with Cognitive Science**

Sejal Schullo, Glenbrook High School District 225  
Heather Chambers, Glenbrook South High School

Sat. 9:00AM – 10:15AM

Crystal

Sick of buzz words that claim to work magic on student learning? Discover scientifically effective formative assessment strategies that improve student retention and can be modified to any content or level. Walk away with strategies that help your students become better learners.



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## **NOTES**

**Affiliated Meeting of  
The Society for Community Research and Action  
Open Meeting of the Division 27 Interest Group**

----- Friday, April 22, 2022 -----

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**SCRA Sessions I**

Fri 9:00AM - 3:00PM

Logan

**9:00 Systemic responses to crisis and trauma: Now and moving forward**

Kayleigh Zinter, DePaul University; Christopher B. Keys, DePaul University; Erin Hoffman, DePaul University; Judah J. Viola, National Louis University; Jacqueline Samuel, National-Louis University; Tina Luzzi, National Louis University; Modena Stinnette, National Louis University; Chris King, National Louis Unity

This roundtable aims to discuss the current state of criminal justice, law enforcement, and helping systems' response to individuals experiencing crisis or trauma. Presenters will also collaboratively share ideas and identify potential next steps for improving trauma-informed social support systems.

**10:00 Violence and Weapons in Communities: Emerging Findings Across Schools and Communities**

Marlo Knapp-Fadani, DePaul University; Kailyn Bare, DePaul University; Safa Asad, DePaul University; Kayleigh Zinter, DePaul University; Yesenia Garcia, DePaul University; Cori Tergesen, DePaul University; Taylor Swenski, DePaul University; Susan McMahon, DePaul University; Amanda Barry, DePaul University

Violence and weapon use have become societal focal points in recent years. Understanding the factors that contribute to violence provides a more holistic view of violence in communities. Facilitators will share emerging research findings, a broadened conceptualization of weapons used in schools, meaning-making in calls to defund the police, and more.

### **11:00 Chicago Anti-Recidivism (CAR) Model: Collaborating for Social Change and Empowerment**

Tonya Hall, Chicago State University; Martha Williams, Retired from Chicago Public Schools; Shaun Bhatia, DePaul University; Charles Hardwick, Howard Area/CSAC North; Shirlyn Garrett, Chicago State University

This roundtable discussion will highlight the Chicago Anti-Recidivism (CAR) research model that is designed to empower adults returning to society after incarceration and help to lower their chances of recidivating by identifying resources and establishing collaborations

### **1:00 Socio-Politically Homeless: Analysis of Black Migrant Experience Inside and Outside of Africa**

Moshood Olanrewaju, National Louis University; Brad Olson, National Louis University; Laurretta Ekanem, National Louis University; Terence Sinabajije  
To analysis black migrant experiences— running from ethnic conflict in their respective home countries, the unregistered traumas gained moving across the dessert and travelling in dinghies across the Mediterranean Sea and displaced migrants fleeing the danger of Haiti and Ecuador travelling for millions of miles to get to the US.

### **2:00 The Premise of Persistence: Global White Authority is Not a Natural Law**

Ericka Mingo, National Louis University; Brad Olson, National Louis University; Christopher Balthazar, National Louis University

This "premise of persistence" is a damaging and almost universal assumption in the field, particularly for students, and can limit the conceptualization of freedom and autonomy for oppressed populations. This roundtable takes a historical look at the origins, maintenance, and risks of the premise of persistence.

## **SCRA Sessions II**

Fri 9:00AM - 3:00PM

Kimball

### **9:00 Contextual Clutter: Impact of Overabundance on Psychological Factors During COVID**

Helena L. Swanson, DePaul University; Devki Patel, DePaul University; Alyssa Altieri, DePaul University; Andrew P. Camilleri, DePaul University; Lili Georges, DePaul University; Hetal Patel, DePaul University/ University of Illinois at Chicago; Mareta Eberhardt, DePaul University; Abigail Adan,

DePaul University; Ella Hageman, DePaul University; Julia Laurentowski, Ossining High School / DePaul University; Joseph R. Ferrari, DePaul University

Community-organizational psychologists recently began studying the impact of contextual clutter on psychological processes that may lead people to declutter. This symposium highlights multiple projects examining various psychological variables as predictors of clutter's impact and/or decluttering activities before and during the COVID-19 pandemic.

### **10:00 Painting with all the Colors of Population-Specific Clinical Interventions**

Brandon Isler, DePaul University; Ivery Green, DePaul University; Alexander O'Donnell, DePaul University; Imani Todd, DePaul University; James Noak, DePaul University; Kathryn Grant, DePaul University  
Clinical intervention strategies need not be limited to the populations they were originally developed for. Three clinicians will recount their work with a specific clinical population and the unique clinical skills they leveraged to serve those populations. After, they will join audience members in discussing these and other interventions' generalizability.

### **11:00 I can Show you the World: Perspectives on Multidisciplinary Research**

Brandon Isler, DePaul University; Ivery Green, DePaul University; James Noak, DePaul University; Lucas Welk, Argonne National Laboratory; Alexander O'Donnell, DePaul University; Imani Todd, DePaul University; Kathryn Grant, DePaul University  
Multidisciplinary research has boundless potential to advance intervention science. Three scientists will showcase this, sharing their personal experiences with multidisciplinary: a community psychologist augmenting anesthesiology research; an X-ray crystallographer blurring the lines between physics, chemistry, & biology; and an information technologist facilitating remote trauma child psychology research despite the pandemic.

### **1:00 They Don't Expect You To Know Much: African Students Countering Afropessimistic Attitude Within Academic Spaces.**

Margaret Serгон, National Louis University  
Black African international students in the United States minority students and are prone to microaggressions as do other students of color. Besides negative experiences on account of their skin color and nonnative accents, African students face additional negative experiences because of their positionality as African students.

## **2:00 The Living Room Program Development and Implementation**

Martina Mihelicova, DePaul University; Annie Wegrzyn, DePaul University; Christopher B. Keys, DePaul University; Carl Indovina, Trinity Services, Inc. This symposium focuses on an innovative mental health crisis program, the Living Room. The first two of three presentations focus on the first national study concerning program conceptualization, planning, and implementation, while the third presentation describes the creation of a new Living Room program in the Chicago region.

## **SCRA Sessions III**

Fri 9:00AM - 3:00PM

Indiana

### **9:00 Promoting Entrepreneurship for Youth with Disabilities: Overcoming the COVID-19 Challenges**

Fabricio Balcazar, University of Illinois, Chicago; Joanna Keel; Artemis Sefandonakis, University of Illinois at Chicago; Therese Manderino, Artfully Gifted Foundation; Sarah Deangelo, University of Illinois at Chicago; Maddie Demo, University of Illinois at Chicago

The purpose of this roundtable discussion is to share the preliminary results of our efforts to develop and pilot test under field conditions an intervention designed to prepare youth with disabilities to start their own small businesses and the challenges COVID-19.

### **10:00 Understanding Resistance to Equity Focused Public Safety Policy Reform**

Judah J. Viola, National Louis University; Ericka Mingo, National Louis University; Raphael Kasobel, National Louis University; Darren Scott, National Louis University; Tina Luzzi, National Louis University; Demetri De Trayon, Chicago School of Professional Psychology; Jaimelee Behrendt-Mihalski, National Louis University

We will discuss ways to study Barriers to Equity in Public Safety Policies using mixed-method approaches focused on the population of people who appear to benefit from inequity built into our current criminal justice system, deviating from previous inquiry, which pathologizes marginalized communities.

### **11:00 Reflections on Structural Inequalities and Discrimination within Community Psychology**

Kimberly Joseph, University of Chicago; Paige Nichols, University of



Chicago; LaVome Robinson, DePaul University; Leonard Jason, DePaul University; Haley Seaman

Community psychology has reached a point of inflection, and is due for self-reflection. This roundtable discussion aims to identify areas for improvement within the field, address inequalities within community psychology research, create space for those impacted to share their experiences, and create potential solutions to these problems.

### **1:00 Meaningful Research for Students & Communities: Discussing Participatory Dissertation Options**

Erin Godly-Reynolds, UNC Charlotte; Hana Shahin, Wichita State University; Natalie Kivell, Wilfrid Laurier University

Panelists aim to encourage community psychology graduate students to choose research projects that align well with their training and values (e.g., community-based, participatory), and engage in meaningful dialogue around the barriers and facilitators to success (i.e., degree completion)! After a brief overview of their dissertations, panelists will facilitate discussion.

### **2:00 Maximizing students' internship experiences**

Olya Glantsman, DePaul University; Ellie Buebendorf, DePaul University; Claire Galloway, DePaul University; Ted Bobak, DePaul University; Leonard Jason, DePaul University; Luciano Berardi, DePaul University

The goal of this roundtable presentation is to raise awareness about the importance of matching Community Psychology students to fieldwork sites that share similar values, as well as to highlight the experiences of students and discuss how value congruence influences students' satisfaction with their internship experience.

## **SCRA Sessions IV**

Fri 9:00AM - 3:00PM

Madison

### **9:00 Substance Use Disorder, Addiction, and Dependence; An Ecological Perspective**

Ted Bobak, DePaul University; Leonard Jason, DePaul University; Justin Bell, DePaul University; Nikki Menis, DePaul University;; Isabella Netti, DePaul University; Daniel Wilson, DePaul University; Mohammed Islam, Chicago State University

Substance Use Disorder (SUD) is characterized as a mental disorder which impairs a person's neurological and behavioral wellbeing, leading to an

inability to control their use of substances (i.e., legal, or illicit drugs, alcohol, or medication).

### **11:00 The Co-Creation of Knowing: Decolonial Andragogy in University Courses**

Ericka Mingo, National Louis University; Moshood Olanrewaju, National Louis University; Hana Masud, University of Massachusetts Boston; Brad Olson, National Louis University; Christopher Balthazar, National Louis University

New approaches and models in academic settings, which intentionally shift away from old norms toward newer models of justice and barrier removal for students is an important part of a decolonial framework for education. The roundtable will consist of the decolonial practice of five university and college instructors.

### **1:00 Arts & Justice – Ameliorating Racial Trauma & Burnout Among Activists**

Dé Bryant, Indiana University South Bend

How to deal with racial trauma in this new Era of the After: after the murder of George Floyd, after January 6th, after COVID/vaccination/conspiracy theory storms? This study uses interactive public art to explore interlocking oppressions. Person-environment fit, efficacy, and trauma-response theories reveal burn out prevention and recovery require social-emotional skills aligned with social context.

## **SCRA Poster Session**

Fri 10:30AM - 12:20PM

Upper Exhibit Hall

### **34 Youth Empowerment and Voice through Needs Assessment: Re-engaging in Schools**

Megan McCormick, CIS of Chicago

In my proposed presentation, informed by my clinical practice experience in a K-8 school environment, I will discuss how a comprehensive needs assessment can be used to increase opportunities for youth empowerment, cultivate space for healing, and allow students to take part in community interventions.

### **35 Role of Identification, Generational Status, and COVID-19 in Academic Success**

Emily Marler, Saint Louis University; Hailey Hatch, Saint Louis University; Thomas DeRossett, Saint Louis University

During the COVID-19 pandemic, students shifted to online learning, which may have negatively impacted motivation and sense of belonging. We examined how first-generation college students differ from continuing generation college students on academic motivation, sense of belonging to their university, self-efficacy, and responses to COVID-19. COVID-19 impacted both groups similarly.

### **36 Spiritual Awakening in Oxford House Strengthens Self-Efficacy, Hope, Positive Exit**

Justin Bell, DePaul University; Mohammed Islam, DePaul University; Ted Bobak, DePaul University; Leonard Jason, DePaul University

Examining residents of Oxford House recovery homes, reporting a spiritual awakening was associated with greater self-efficacy to resist substance use, greater hope, greater AA affiliation, less negative exits versus those who did not. Results support the notion that spiritual awakening is a powerful event that strengthens skills useful for recovery.

### **37 Evaluating diagnostic criteria: Pediatric myalgic encephalomyelitis/chronic fatigue syndrome fatigue duration**

Halli Watts-Rich, DePaul University; Chelsea Torres, DePaul University; Leonard Jason, DePaul University

To date, there are discrepancies in the duration of fatigue for diagnosis of myalgic encephalomyelitis or chronic fatigue syndrome (ME/CFS) among children and adults. The present study aims to determine whether there are significant differences between children who meet criteria for ME/CFS at three months versus six months.

### **38 Prevalence of Chronic Illnesses of Youth in the Chicagoland Area**

Madeline Guzman, DePaul University; Karl Conroy, DePaul University; Chelsea Torres, DePaul University; Leonard Jason, DePaul University

A sample of 10,119 children in the Chicagoland area were evaluated and screened for a variety of health symptoms. This analysis assesses the prevalence of pediatric chronic and mental illnesses and compares symptoms using this community-based data set. Results will inform public health efforts in the region.

### **39 Hope, Stress, Self-Esteem, and Drug Taking Confidence among Psychiatrically Comorbid Oxford House Residents**

Ted Bobak, DePaul University; Leonard Jason, DePaul University; Vito

Abbananti, DePaul University

It is hypothesized that there will be a significant differences between increased psychiatric severity and higher perceived stress outcomes, on the one hand, and a positive correlation between psychiatric severity and hope, self-esteem, and drug-taking confidence scores.

#### **40 Sustaining Participatory Community Action Research in Homeless Shelters During COVID-19**

Sarah Clark, University of Dayton; Tia Turner, University of Dayton; Roger Reeb, University of Dayton; Greg Elvers, University of Dayton

The poster describes a participatory action research project in homeless shelters, delineates pre-pandemic outcomes (benefits for psychological functioning of shelter residents), summarizes challenges and successes in project sustainability during COVID-19, and highlights successes in reimplementing the project (accompanied by new COVID-19 education for residents). Plans for project expansion are delineated.

#### **41 Minding your step (and your footprint): Studying ecological mindfulness**

Lucinda Woodward, Indiana University Southeast; Peter Galvin, Indiana University Southeast

Longitudinal data was collected for a period of one year by residents of an off-grid tiny house to assess the impact of mindful consumption on use of water, energy resources and trash generation. The findings revealed significantly lower ecological impact in comparison to standard housing and reduced usage over time.

#### **42 Predictors of Black American Men's Health-Related Quality of Life**

Sarah Grace Frary, The University of South Carolina; Kaylyn Garcia, University of South Carolina; Guillermo Wippold, The University of South Carolina; Harper Murphy, The University of South Carolina

This poster regards the Health Related Quality of Life (HRQoL) of Black men. HRQoL is a multidimensional health indicator that predicts health outcomes including mortality. Results of a survey of Black men indicated psychological and physical predictors of HRQoL among Black men, yielding valuable information for future interventions.

#### **43 Alcohol And Cannabis Co-Use And Internalizing Symptoms Among College Students**

Jake Solka, Illinois State University; Ali Fay, Illinois State University; Sydney Tonkin, Illinois State University; Miranda Ellis, Illinois State

University; Nathaniel Beltran, Illinois State University; Aleena Mangold, Illinois State University; Laura Finan, Illinois State University  
Alcohol and cannabis co-use afford opportunities for increased risk of a range of health outcomes, including internalizing symptoms. We examined relationships between college students co-use and depressive and anxiety symptoms. Controlling for sociodemographic characteristics and impulsivity, alcohol and cannabis co-use was significantly positively associated with depressive and anxiety symptoms.

#### **44 Physical and Social Predictors of Suicidal Ideation in ME/CFS**

Meghan Elliott, DePaul University; Leonard Jason, DePaul University  
Individuals with myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) have been demonstrated to have a high risk of death by suicide. We present results of binary logistic regressions on an international cohort of people with ME/CFS, which indicate disturbed sleep, reduced physical functioning, and social factors as significant predictors of suicidal ideation.

#### **45 Somali Parental Participation in School-Based Autism Treatments: A Cultural Perspective**

Laura Sweeney, Northcentral University; Michelle Ackerman, Northcentral University  
This phenomenological study investigated nonparticipation of Somali parents in their child's school-based autism treatments including the lack of follow through at home. Somali parents were interviewed regarding their perceptions and experiences with their child's school-based autism treatments. Results revealed a need to rebuild trust in this vulnerable

#### **46 What Matters to You? Exploring the Social Issues that Matter to Young People**

Andrea DaViera, University of Illinois, Chicago  
"What social issues matter to you?" We asked this question to 33 undergraduate students and used inductive thematic analysis to code their responses. Initial results demonstrate that young people care greatly about racism, police violence, and poverty. Knowing what matters to young people should inform society's solutions to social problems.

#### **47 Race and Ethnicity in ME/CFS Research Participants**

Emily Lange, DePaul University  
Studies on myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) are numerous, but often the samples are not representative of the racial/ethnic

groups who suffer from the illness. This poster reviews the populations of 100 studies about ME/CFS and details the racial/ethnic groups included in each.

#### **48 Black College Student Emotional Stress and Self-defeating Behaviors**

Jazlyn Rowan, Indiana University; Tennisha Riley, Indiana University Bloomington; ZewelANJI Serpell, Virginia Commonwealth University; Oliver Hill Jr, Indiana University Bloomington

The current study examines the association between student reported stressors and behaviors that impede success and performance, or self-defeating behaviors. In addition, resilience and emotional response to stress are used as mediating effects to help explain the relation between stress and self-defeating behaviors.

#### **49 Family Medical History and Myalgic Encephalomyelitis/Chronic Fatigue Syndrome**

Shaun Bhatia, DePaul University; Caroline Cotler, Santa Clara University; Tiondra Turton, DePaul University; Natalie Walter, DePaul University; Leonard Jason, DePaul University

Population-based epidemiology studies allow researchers to investigate rare chronic illnesses and assess their impact on diverse communities. Currently, little is known about familial dimensions of ME/CFS. In the current study we examined familial medical histories of individuals with ME/CFS using population-based data.

#### **50 DePaul's BA/MS & MS in CP programs: Two years running**

Olya Glantsman, DePaul University; Ellie Buebendorf, DePaul University; Leonard Jason, DePaul University; Jerry W Cleland, DePaul University; Luciano Berardi, DePaul University

This poster presents the details of DePaul University's BA/MS and MS in Community Psychology programs' curriculum and the experiences of those currently enrolled in these programs at the two year mark. Additionally, it presents lessons learned, action steps, and plans for the upcoming year.

#### **51 Perceived Organizational Support within a Trauma-Informed Homeless Service Agency**

Erin Hoffman, DePaul University; Sarah Pelletier, DePaul University; Rachel Bell, DePaul University; Cristina Candel, DePaul University; Molly Brown, DePaul University

This study examined the interaction between perceived organizational support (POS) and trauma-informed care (TIC) at a trauma-informed homeless service agency. Twelve semi-structured qualitative interviews were

conducted with staff of varied positions. Thematic content analyses revealed five relevant themes. Findings discuss conceptualizing and implementing organizational support using a TIC framework.

### **52 Breast density awareness social marketing campaign in Beverly, Chicago**

Gina Curry, University of Chicago Cancer Center Hyde Park

Breast density is the second leading risk factor for breast cancer yet many women are unaware of their density. The Chicago Beverly community has a high incidence of late stage breast cancer diagnosis despite high socioeconomic status. This presentation will describe the Beverly Breast Density Social Marketing Campaign.

### **53 Recruiting Trans and Gender Expansive Youth Online: Recommendations and Considerations**

Allison Lloyd, University of Maryland, Baltimore County; Erika Fountain, University of Maryland, Baltimore County

Using targeted online social media recruitment, we successfully reached over 500 gender diverse youth ( $M = 17.72$ ,  $SD = 3.26$ ) to participate in an online survey. We will demonstrate how to navigate IRB approval, promote safety for participants, and collaborate with LGB and trans specific message boards to advertise surveys.

### **54 The Effect of Societal Pressures on Women's Mental Health**

Shannon Kasun, University of Notre Dame

This study integrates gender stereotypes and mental health by examining data from Dr. Mark Cummings' Northern Ireland project. By utilizing the data collected by the General Health Question-12, this study explores the relationship between women's mental health, marital status, and emotional security in the marital subsystem.

### **55 Using Mindfulness as a Coping Mechanism during the COVID-19 Pandemic**

Jacob Schachter, Augsburg University; Alex Ajayi, Augsburg University; Ryan Fechner, Augsburg University

The COVID-19 pandemic has added considerable challenges to many people's lives which has resulted in greater psychological consequences. The present study suggests that mindfulness can act as a moderator in the relationship between COVID-related stress and rumination, ultimately preventing chronic stress from worsening into depression.

### **56 The Effects of Reading Curricula on Social-Emotional Learning in Preschools**

Iva Lee Schindler, University of Illinois at Chicago; Christen Park, University of Illinois at Chicago; Kareena Shah, University of Illinois at Chicago; Nicole Koeplin; Katherine Zinsser, University of Illinois at Chicago

This report attempts to discern the intersection of storytelling and representation in Pre-K empathy-building. While our data was insufficient for statistical analysis, our descriptive findings suggest that further research is needed to fully understand this concept and future investment in teachers' social-emotional learning skills is vital for our classrooms.

### **57 Measuring Success in Community-Based Programs for Juvenile Justice System-Involved Youth**

Christina Ducat, University of Maryland, Baltimore County; Erika Fountain, University of Maryland, Baltimore County

Informal supervision of youth by the juvenile justice system has become increasingly commonplace through referrals to Community-Based Programs (CBPs) which provide services to youth to deter recidivism. This poster summarizes the outcome metrics used to measure youth success in CBPs and discusses variability in metrics across programs.

### **58 Body neutrality, not positivity: Sportswomen, body image, and social media**

Carly Drake, North Central College; Allison Grady, North Central College  
Through a critical literature review and an accompanying case study, we advance the notion of body neutrality, as opposed to body positivity, as a tool for challenging restrictive body ideals on social media. We focus our research on collegiate sportswomen and the particular body-related challenges that emerge in a sport context.

### **59 Identifying Coaching Styles of Coaches in Early Childhood Education: Latent Class Analysis**

Christen Park, University of Illinois at Chicago

There is little empirical examination of the predictors of coaching effectiveness in early childhood education settings. Using secondary data from the Early Learning Mentor Coach initiative, this poster describes a 3-step latent class analysis to group coaches by coaching style. Analyses include some potential antecedents and coaching effectiveness.



### **SCRA MPA Conference Reception**

Please join members of Division 27 for dinner after the MPA Presidential Address. The location for dinner will be Exchequer Restaurant & Pub near The Palmer House. All are welcome to attend. Please RSVP, if possible to [olaolamoshood@yahoo.com](mailto:olaolamoshood@yahoo.com).

Friday, April 22nd @ 3:00PM - 5:30PM  
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**Psi Chi Poster Session I**

Thu 8:00AM - 8:50AM

Upper Exhibit Hall

**1 Alcohol and nicotine co-consumption in an intermittent access paradigm in C57BL/6J mice.**

Presley Fletcher, Butler University; Jennifer Berry, Butler University (Jennifer Berry, Faculty Sponsor)

**2 The role of executive functioning in bariatric surgery patient weight loss outcomes**

Makenna Wilson, John Carroll University; Rachel Galioto, Cleveland Clinic Foundation (Dr. Rachel Galioto, Faculty Sponsor)

**3 "Psycho": Point-of-view shots in horror films and mental health stigma in college students**

Aidan Maher, Nebraska Wesleyan University (Dr. Rachel Hayes, Faculty Sponsor)

**4 Experience and Virtual Reality**

Katelyn Lange, Edgewood College (Ferrinne Spector, Faculty Sponsor)

**5 "How drunk are they?": Evaluating college students' ability to accurately guesstimate a fictional character's blood alcohol concentration**

Racine Ross, Kenyon College; Dana Krieg, Kenyon College; Paula Millin, Kenyon College (Dana Krieg, Paula Millin-Lipnos, Faculty Sponsor)

**6 The effects of emotional support animals on higher education student's precieved pain**

Hannah Jakaus, Adrian College (Dr. Stacey Todaro, Dr. Janet Pietrowski, Faculty Sponsor)

**7 The transfer of exploratory behavior for affordance perception**

Analise Richcreek, Butler University; Meet Patel, Butler University; Addison Hensley, Butler University; McKenzie Greene, Butler University (Brian Day, Faculty Sponsor)

**8 Awe Related to Positive Emotion, Self- Transcendence, and Empathy**

Elise Johnson, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**9 Effects of emotional priming on explicit memory recall of associated words.**

Margaret Stebbins, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**10 Relationship between intuition, career decision making, and state anxiety**

Lindsey Wakefield, Franklin College (Jamie Bromley, Faculty Sponsor)

**11 Notified of distractions: examining the interaction between distraction level and flashcard type**

Cameron Tabb, North Park University; Kathryn O'Toole, North Park University; Amy Governale, North Park University (Dr. Kathryn O'Toole, Dr. Amy Governale, Faculty Sponsor)

**12 Effects of mental imagery on athletic performance**

Erin Sievers, Ashland University (Diane Bonfiglio, Faculty Sponsor)

**13 Free will and belief in pseudoscience**

Camron Arnaud, Aurora University; Heather Warfield, Aurora University (David Rudek, Faculty Sponsor)

**14 The Relationship between College Students' Mindset and Performance on Spatial Navigation**

Julie Wappel, Holy Cross College; Lucy Bruns, Holy Cross College; Alexandra Buchlmayer, Holy Cross College; Gabriela Betanzos, Holy Cross College; Mireya Robles, Holy Cross College; (Cosette Fox, PhD, Holy Cross College and Rachel Blaser, PhD, University of San Diego, Faculty Sponsor)

**15 COVID-19, ICT literacy, and Mental Health of University Students: A Three-Country Study**

Yuliya Phillips, Murray State University; Jasmine Neal, Murray State University; Esther Malm, Murray state University; David Sam, University of Bergen; Collins Agyemang-Badu, University of Ghana; Elias Kodjo Kekesi, University of Ghana (Esther Malm, David Sam, Collins Badu-Agyeman, Elias Kekesi, Faculty Sponsor)

**16 Mental Health Services on MSU Campus**

Yuliya Phillips, Murray State University; Esther Malm, Murray state University (Esther Malm, Faculty Sponsor)

**17 Do dynamic norms affect sustainable behavior? A replication study**

Kiara Stroh, Concordia College; Reilly Mach, Concordia College (Mona Ibrahim, Faculty Sponsor)

**18 Perceived luck and its influence on performance**

Kaitlynn Lighthall, Concordia University- Chicago (Jason Pych, Faculty Sponsor)

**19 The Effect of Different Memory Strategies on Recognition**

Jillian Berry, Xavier University; Mollie Vonderhaar (Dalia Diab, Faculty Sponsor)

**20 Melody and Working Memory**

Bailey Brimer, University of Missouri; Dominic Guitard, Universite de Moncton; Yu Li, University of Missouri; Nelson Cowan, University of Missouri (Nelson Cowan, Faculty Sponsor)

**21 Student state anxiety reactivity after reflection on social interactions in academic settings**

Lauren O'Connor, Carthage College; Nora Nickels, Carthage College (Nora Nickels, Faculty Sponsor)

**22 Action and Inaction Effects in Regret: The Moderating Role of Spirituality**

Marley Hawkins, Governors State University; Justine Asas, Governors State University; Figen Karadogan, Governors State University (Figen Karadogan, Faculty Sponsor)

**23 Effect of growth mindset intervention on academic performance, academic stress, and grit**

Jack Mason, Holy Cross College; Florecita Avalos, Holy Cross College; Kyle Martin, Holy Cross College; Annette Romans, Holy Cross College; Felicia Reid Metoyer, Holy Cross College; Cosette Fox, Holy Cross College (Cosette Fox, Faculty Sponsor)

**24 Psychosocial stress, steroid hormone reactivity, and fairness decision making**

Christina Hu, Carthage College; Nora Nickels, Carthage College (Nora Nickels, Faculty Sponsor)

**25 The effects of the Best Possible Self intervention on stress**

Stella Boeckman, Denison University; Kristina Steiner, Denison University (Kristina Steiner, Faculty Sponsor)

**26 Restorative potential of library study rooms on a college campus**

Avery Meade, Taylor University; Laura McClelland, Taylor University; Luke Slater, Taylor University; James Brads, Taylor University (Laura McClelland, Faculty Sponsor)

**27 Effect of body type and valanced social media comments on self-confidence**

Brittany Whitam, South Dakota State University (Dr. Pirita See, Dr. Tyler Miller, Faculty Sponsor)

**28 Prevalence, Comfort With, & Characteristics of Sex Toy Use in a US Convenience Sample**

Emily Fippen, Ball State University; George Gaither, Ball State University (Dr. George Gaither, Faculty Sponsor)

**29 Personality and Self-regulation: Can increased self-regulation alter your personality?**

CaSandra Stanbrough, Missouri State University; Amber Massey-Abernathy, Missouri State University; Olivia Baron, Missouri State University; Erin Lower, Missouri State University (CaSandra Stanbrough, Amber Abernathy, Faculty Sponsor)

**30 The Impact of Secure Base in Alleviating Frustration**

Quantaya Grapes, Edgewood College; Ashley Holland, Edgewood College (Ashley Holland, Faculty Sponsor)

**31 Hunger and Body Judgments: Evolutionary Motives for Attraction?**

Haley Scruggs, Murray State University; Isaiah King, Murray State University; Jasmine Neal, Murray State University; Sarah Overton; Alyssa Watkins; Mandi Clark, Murray State University (Hackathorn, Jana, Faculty Sponsor)

**32 Does self-esteem matter? Adult perspectives on social zapping.**

Sean Hyink, DePaul University; Devki Patel, DePaul University; Hetal Patel, DePaul University/ University of Illinois at Chicago (Joseph R. Ferrari, Susan Markunas, Faculty Sponsor)

**33 Encouraging focus on the disabling effects of the built environment: A test of an educational intervention to combat ableism**

Rebekah Asp, Bemidji State University; Thomas Dirth, Bemidji State University; Lily Walker, Bemidji State University; Victoria Gratke, Bemidji State University (Dr. Thomas Dirth, Faculty Sponsor)

**34 Perceptions of Single-Parents: The Impact of Parent Race and Gender**

Abigail Malecha, Central College (Dr. Randall Renstrom, Faculty Sponsor)

**35 Reading Emotions Through the Eyes Varies in Different Cultures**

Tia Robinson, Rochester University (Robyn Seigel-Hinson, Faculty Sponsor)

**36 Dark Side of the Ballot Box: Pathological Personality Traits, Ideology & Locus of Control**

Ashlen Grubbs, Murray State University (Dr. Duncan Gage Jordan, Faculty Sponsor)

**37 Perceptions of Parenting: Impact of Gender and Socioeconomic Status in Custody Cases**

Abigail Malecha, Central College (Dr. Randall Renstrom, Faculty Sponsor)

**38 Research in retrograde: the correlation between agreeableness and faith**

Ian Esteban, Truman State University; Drew Killmer, Truman State

University; Henry Murphy, Truman State University; Israel Olorunda, Truman State University (Salvatore Costa, Faculty Sponsor)

**39 Plants vs. patience: the effects of frustration on environmental decision making**

Gina Hattemar, Truman State University; Jaxson Mahlstadt, Truman State University; Madeline Baugh, Truman State University; Ryan Freese, Truman State University (Salvatore Costa, Faculty Sponsor)

**40 Understanding the Behaviors Involved in the Preclinical Marble Burying Procedure**

Taylor Kegen, University of Wisconsin Green Bay; Kaitlyn Partridge, University of Wisconsin Green Bay (Todd M. Hillhouse, Faculty Sponsor)

**41 Schizophrenia stigma reduction using narrative versus report texts**

Nathan Mann, Ball State University (Dr. Kristin Ritchey, Faculty Sponsor)

**42 Mental Status of Chinese International Undergraduates Who Returned to Campus during COVID-19**

Mingsheng Li, Denison University (Erin Henshaw, Faculty Sponsor)

**43 The relationship between levels of introversion and levels of anxiety in social settings**

Carley Gylling, Clarke University (Larissa Arnold, Faculty Sponsor)

**44 Intolerance of uncertainty as a mediator of the relationship between low levels of mindfulness and health and COVID-19 anxiety**

Emma Martini, Loyola University Chicago (Steve Davis, Faculty Sponsor)

**45 Assessing exercise habits and interpersonal emotion regulation**

Meghan Pryor, University of Notre Dame (David Watson, Faculty Sponsor)

**46 The association between self-esteem, self-efficacy, and intrusive thoughts.**

Kyra Durrett, Rochester University; Robyn Siegel-Hinson, Rochester University (Robyn Siegel-Hinson, Faculty Sponsor)

**47 Coping with Cognitive Distortions: Individual Differences in Humor Styles**



Emma Dudones, University of Akron (Jennifer Tehan Stanley, Faculty Sponsor)

**48 Mood in high versus low emotional contagion individuals**

Abigail Westendorf, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**49 The covid-19 outbreak and disordered eating among college students: Moderating roles of attachment insecurity, emotion regulation difficulties, negative emotions, and psychological needs thwart.**

Julian Ortiz, Illinois State University (Suejung Han, Faculty Sponsor)

**50 Empathy and desensitization to working with trauma**

Cecelia Limmex, UW Green Bay; Jason Cowell, University of Wisconsin-Green Bay (Jason Cowell, Faculty Sponsor)

**51 Parental anxiety and perceptions of pediatric pain medication administration**

Connor Lynch, University of Wisconsin - Milwaukee; Julia Tager; W. Hobart Davies, University of Wisconsin-Milwaukee (W. Hobart Davies, Faculty Sponsor)

**52 Emotional intelligence as a potential moderator for help-seeking intentions in college-aged men**

Cameron Appelt, Southern Illinois University Edwardsville (Dan Segrist, Faculty Sponsor)

**53 The General Factor of Psychopathology ('p-factor'): Associations with Treatment-Seeking Behaviors and the Moderating Role of Experiential Avoidance**

Carson Woodfin, Southern Illinois University-Edwardsville; Bailey Isom, Southern Illinois University-Edwardsville (Eunyoe Ro, Faculty Sponsor)

**54 COVID-19 related stressors predict disordered eating behaviors among college students**

Andie Baker, Illinois State University; Julian Ortiz, Illinois State University; Alondra Faudoa, Illinois State University (Suejung Han, Faculty Sponsor)

**55 Inner workings of inner speech and attitudes toward therapy**

Kaylee Hance, Columbia College; Mikayla McKinney, Columbia College (Gretchen Hendrickson, Faculty Sponsor)

**56 Youth mentoring: how do after-school programs impact mood.**

David Munoz, DePaul University; Emily Feldman, DePaul University; Chantelle Miller, DePaul University; Marissa Ocrant (Kathryn Grant, Faculty Sponsor)

**57 Measuring the effectiveness of music medicine on physiological and psychological expressions of stress**

Dylan Robinson, Denison University; Basil Khan, Denison University (Dr. Erin Henshaw, Faculty Sponsor)

**58 The relationship between self-compassion, stress and sleep quality amongst college students**

Gabriela Rodriguez, Denison University; Erin Henshaw, Denison University (Erin Henshaw, Faculty Sponsor)

**59 Effects of program type and gender on fear, perceived risk, and behavior**

Jessica Rush, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**60 Rose Colored Kisses: Assessing the Relationship Between Idealized First Kiss Beliefs and Kissing Enjoyment**

Gabrielle Gunther, University of Minnesota Duluth; Mariah Ravet, University of Minnesota-Duluth; Victoria Quevedo, University of Minnesota Duluth; Ashley Thompson, University of Minnesota Duluth (Ashley E. Thompson, Faculty Sponsor)

**61 The influence of face shape, eyeglass shape, and pupil dilation on judgement of competence, attractiveness and warmth traits upon first impression**

Kira Caldwell, St. Norbert College; Jisoo Kim, Denison University (Paul Ngo, Faculty Sponsor)

**62 Sport memories**

Jordan Pearsall, Murray State University; Xavier Brown, Murray State University (Daniel L. Wann, Patrick Cushen, Faculty Sponsor)

**63 Americans' Views on Climate Change: A call for overcoming government fatalism**

Christopher Hartley, Kansas State University; Nicholas Gallivan, Kansas State University; Laura Brannon, Kansas State University (Nicholas Gallivan, Laura Brannon, Faculty Sponsor)

**64 Improving and evaluating brief online bias education for college students**

Mikayla Blankenship, Southern Illinois University Edwardsville; Samuel L. Baker, Southern Illinois University Edwardsville; Meg Wyatt, Southern Illinois University Edwardsville (Carlee Beth Hawkins, Faculty Sponsor)

**65 Sleep reactivity to stress, conflict characteristics, and diurnal cortisol**

Madison Heitkamp, Miami University; Prit Patel, Miami University; Emre Selçuk, Sabanci University; Allison Farrell, Miami University (Allison Farrell, Faculty Sponsor)

**66 Does self-control mediate the relationship between sexual objectification and aggression?**

Jessica Braunstein, Iowa State University; Casey Henning; El-Lim Kim, Iowa State University (El-Lim Kim, Faculty Sponsor)

**67 Extreme partisans and cognitive flexibility: A replication study**

Jackson Lucy, University of Northern Iowa; Heather Statz, University of Northern Iowa; Hallie Starr, University of Northern Iowa (Nicholas G. Schwab, Faculty Sponsor)

**68 How Parental Warmth Affects the Physiological and Affective Reactions to Moral Shame**

Lauren Smith, Missouri State University; CaSandra Stanbrough, Missouri State University; Kayley Clements, Missouri State University; Amber Massey-Abernathy, Missouri State University (CaSandra Stanbrough, Amber Abernathy, Faculty Sponsor)

**69 Social Media and Me: An Analysis of the Relationship between Social Media Usage, Self-Esteem, and Identity among Sexual and Ethnic Minority Members**

Samuel Springer, Manchester University (Kelsey-Jo Kessie, Faculty Sponsor)

**70 Identity Politics as Secular Religion**

Isaiah King, Murray State University (Sean Rife, Faculty Sponsor)

**71 The Impact of Anxiety on Women's Judgments of Men**

Cole Halouska, Dakota Wesleyan University (Anne Kelly, Faculty Sponsor)

**72 The effects of exposure to weight-centric and Health at Every Size® images on body satisfaction, disordered eating behaviors, and obligatory exercise attitudes**

Hannah Gross, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)



**Psi Chi Symposium I**

Thu 9:00AM - 9:50AM

Salon 02

**9:00 Everything You Wanted to Know About the GRE (and how to do your BEST at it)**

Jennifer Geiler, ETS

Many students fear the GRE and many do not do well on it. What is the best way to study for it? What is the GRE (and GRE-psychology subject test) comprised of? The session presented by a representative of the group that created and administers the GRE will provide detailed information on the GRE including best ways to prepare. Make sure to be there for the great handout.

## Psi Chi Poster Session II

Thu 9:00AM - 9:50AM

Upper Exhibit Hall

### **1 PSI CHI AWARD WINNER**

#### **Social sensitivity and self-esteem as predictors of stress in adolescence and emerging adulthood**

Jessica Seal, University of St Thomas; Michaela Vondrum, University of St. Thomas; Madeleine Averkamp, University of St. Thomas (Anna Johnson, Faculty Sponsor)

Social sensitivity, including rejection sensitivity (RS) and socially prescribed perfectionism (SPP), may increase susceptibility to stress. We examined RS

and SPP as risks for psychosocial stress across ages, with self-esteem as a mediator between social sensitivity and stress. RS and SPP were correlated with stress, and self-esteem mediated these relationships.

### **2 Fear of Missing Out Predicts Problematic Social Media Usage**

Claudia Linczer, University of Notre Dame; Scott Lucitt, University of Notre Dame; Caroline Paige, University of Notre Dame; Bettina Villegas, University of Notre Dame; Katheryn Kelley, University of Notre Dame; Daniel Lapsley, University of Notre Dame (Daniel Lapsley, Faculty Sponsor)

### **3 The Miss Honey Complex: The Significant Role of Female Mentorships in Lesbian Youth**

Sophia Wallat, North Hennepin Community College (Debra Matchinsky, Faculty Sponsor)

### **4 PSI CHI AWARD WINNER**

#### **Relations between play and Head Start preschoolers' stress and self-regulation during the COVID-19 pandemic**

Christina Chung, University of Missouri-Columbia; Rachel Thibodeau-Nielsen; Francisco Palermo; Rachel White (Rachel Thibodeau-Nielsen, Faculty Sponsor)

This study aimed to determine whether pandemic play can act as a protective factor against child stress and poor child self-regulation in low-income children attending a Head Start program.

### **5 PSI CHI AWARD WINNER**

#### **Moral Identity and Need for Uniqueness Predict Online Virtue Signaling**

Ziyu Ren, University of Notre Dame (Daniel Lapsley, Katheryn Kelly, Faculty Sponsor)

Virtue Signaling is often used pejoratively, but may represent a way of demonstrating commitments to moral norms. This project explores the connection between online Virtue Signaling and Moral Identity, Prosocial Tendencies, and Need for Uniqueness (NFU). Regression analyses showed that Moral Identity-Symbolization and NFU were significant predictors of Virtue Signaling.

### **6 Tinkering with technology: Parent-child collaboration and technology talk during informal learning activities**

Noelle Pittman, Loyola University Chicago; Lauren Pagano, Loyola University Chicago; Catherine A. Haden, Loyola University Chicago; Graciela Solis, Loyola University Chicago (Catherine A. Haden, Faculty Sponsor)

### **7 Developing curious minds: A first-year college student's experience**

Rachael Danielson, Central College (Shelby Messerschmitt-Coen, Faculty Sponsor)

### **8 An investigation of the correlations between childhood trauma, empathy, and prosocial-lying in adolescents**

Darby Deffenbaugh, Dakota Wesleyan University (Anne Kelly, Faculty Sponsor)

### **9 The Effects of Employment, Parenting and Risky Behaviors in Adolescent and Early Adulthood**

Jacqueline Pritchett, Rochester University (Robyn Siegel-Hinson, Faculty Sponsor)

### **10 How External Factors, such as the Coronavirus Pandemic, are Influencing the Academic Success of College Students**

Grace Petersen, University of Wisconsin-River Falls (Melanie Ayres, Faculty Sponsor)

### **11 Early life stress alters the neural dynamics of empathic processing**

Hailey Olson, University of Wisconsin-Green Bay (Jason M. Cowell, Faculty Sponsor)

### **12 Assessing tutor benefits in the PLTL model**

Nina Blaise, Dominican University; Natalia Prato, Dominican University; Aliyah White, Dominican University; Tina Taylor-Ritzler, Dominican University; Persis Driver, Dominican University; Steven Proutsos, Dominican University (Persis Driver, Tina Taylor-Ritzler, Faculty Sponsor)

### **13 The relationship between parental use of alcohol and children's academic performance**

Trinity Rausch, University of La Crosse Wisconsin (Alexander OBrien, Faculty Sponsor)

### **14 Title: Relationships Between Childhood Sports Participation and Psychosocial Outcomes in Adulthood**

Antonio Esquivel, Lindenwood University (Rebecca D. Foushée, Faculty Sponsor)

### **15 Gender Differences in Parent Beliefs about 4-5 Year-old's Spatial Skills**

Ellie McCarthy, Northwestern University; Kiley McKee, Northwestern University; Daid Uttal, Northwestern University (David Uttal, Faculty Sponsor)

### **16 Concurrence of preschool teacher and parent reports using a social skills survey**

Genevieve Hockett, Truman State University; Lauren Kruppner, Truman State University; Derek Empson, Truman State University (Katrina Schmerold, Faculty Sponsor)

### **17 Children's understanding of death and afterlife in different cultures**

Petula Walsh-Grant, Carthage College (Melanie Nyhof, Faculty Sponsor)

### **18 Evaluating positivity as a moderator on the association between domains of sibling conflict and adolescent emotional adjustment**

Marissa Levi, University of Missouri; Yue Guo, University of Missouri-Columbia; Maria Victoria Aceves-Power, University of Missouri (Nicole Campione-Barr, Faculty Sponsor)

### **19 Maternal Childhood Maltreatment and Mother-Child Reminiscing**

Nora Maus, University of Notre Dame; Kreila Cote, University of Notre

Dame; Kristin Valentino, University of Notre Dame (Kreila Kote, Kristin Valentino, Faculty Sponsor)

**20 The role of goals in families' experimentation during a playful programming activity**

Jinwen Du, Northwestern University; Naomi Polinsky, Northwestern University; Brian Andrus; Jose Sotelo; Daid Uttal, Northwestern University (David Uttal, Faculty Sponsor)

**21 Birth order and gender differences in family members' and observers' ratings of parent-adolescent interactions**

Marie Tweedie, University of Missouri- Columbia; Julianna Bell, University of Missouri- Columbia; Yue Guo, University of Missouri-Columbia (Nicole Campione-Barr, Faculty Sponsor)

**22 Neural responding to (in)sensitive caregiving cues: the role of adult attachment**

Makayla Pollock, University of Missouri-Columbia; Mandar Bhojar, University of Missouri; Ashley Groh, University of Missouri - Columbia (Ashley Groh, Faculty Sponsor)

**23 “You gotta tell the camera!”: Digital storytelling activities support children’s narrative and engineering talk**

Riley George, Loyola University Chicago; Lauren Pagano, Loyola University Chicago; Catherine A. Haden, Loyola University Chicago; Afnan Amdeen (Catherine A. Haden, Faculty Sponsor)

**24 Young Black women’s future goals: Connections to their psychological well-being**

Zairia Moore, University of Missouri- Columbia (Jordan Brooker., Faculty Sponsor)

**25 The influence of adverse childhood experiences on attachment, emotion dysregulation, and dissociative tendencies**

Jenna Eschner, University of Wisconsin-Parkside; Meredith McGinley, University of Wisconsin-Parkside (Meredith McGinley, Faculty Sponsor)

**26 Mitigating the impact of COVID-19 stress on child adjustment: Father-child reminiscing as a source of resilience**

Tara Lottes, University of Missouri - Columbia; Jennifer Bohanek, University



of Missouri - Columbia; Nanxi Xu, University of Missouri - Columbia; Evan Reichard, University of Missouri; Amanda Bennett, University of Missouri - Columbia; Anna Blue, University of Missouri Columbia; Halley Felty; Chase O'Neal, University of Missouri; Ashley Groh, University of Missouri - Columbia (Dr. Ashley Groh, Dr. Jennifer Bohanek, Faculty Sponsor)

**27 Mitigating the Impact of COVID-19 Stress on Child Adjustment: Mother-Child Reminiscing as a Source of Resilience**

Evan Reichard, University of Missouri; Jennifer Bohanek, University of Missouri - Columbia; Nanxi Xu, University of Missouri - Columbia; Tara Lottes, University of Missouri - Columbia; Amanda Bennett, University of Missouri - Columbia; Anna Blue, University of Missouri Columbia; Halley Felty; Chase O'Neal, University of Missouri; Ashley Groh, University of Missouri - Columbia (Ashley Groh, Jennifer Bohanek, Faculty Sponsor)

**28 Peer Led Team Learning: Supporting Students' Metacognition and Self-Efficacy in STEM**

Aliyah White, Dominican University; Nina Blaise, Dominican University; Natalia Prato, Dominican University (Persis Driver, Tina Taylor Ritzler, Faculty Sponsor)

**29 Black Youth Racialized Experiences: Examining Group Differences Based on Pubertal Development**

Payton Turner-Hewlett, Indiana University Bloomington; Gracy Hniang, Indiana University Bloomington; Wisdom Ibikunle, Indiana University Bloomington; Naomi Gee, Indiana University Bloomington; Jazlyn Rowan, Indiana University; Tennisha Riley, Indiana University Bloomington (Dr. Tennisha Riley, Faculty Sponsor)

**30 Attachment Security and Parenting Styles: Effects on Adolescent Anxiety**

Savannah Vetterly, University of Notre Dame; Sarah Hoegler, University of Notre Dame; E. Mark Cummings, University of Notre Dame (Sarah Hoegler, Faculty Sponsor)

**31 Examining emotional security as a mediator of the parent-child relationship and children's response to marital conflict**

Xolisa Ngwenya, University Of Notre Dame (Dr Mark Cummings, Faculty Sponsor)

**32 A qualitative analysis of U.S. Mexican mother-child conversations about respect for others**

Lyndsey Johnson, University of Missouri - Columbia; Joy Roos, University of Missouri - Columbia; Jennifer Bohanek, University of Missouri - Columbia; Fiorella Carlos Chavez, Arizona State University; Sahitya Maiya, Utah State University; Jean Ispa, University of Missouri - Columbia (Joy Roos, Faculty Sponsor)

**33 Emotional security in the family and adolescent sectarian antisocial behavior: the moderating role of maternal outgroup trust**

Paige Cooper, University of Notre Dame; Bethany Wentz, University of Notre Dame; Christine Merrilees, SUNY Geneseo; Laura Taylor, University College Dublin, Queen's University Belfast; Marcie Goeke-Morey, Catholic University of America; Peter Shirlow, University of Liverpool; E. Mark Cummings, University of Notre Dame (E. Mark Cummings, Faculty Sponsor)

**34 Affect Adaptability and Stress Reactivity in Adolescents and Emerging Adults**

Olivia Tjokrosetio, University of St Thomas; Michelle Flores, University of St. Thomas (Anna Johnson, Faculty Sponsor)

**35 The Socialization of Healthful Eating among Mexican-American Families: an Analysis of Mother-Child Conversations about Eating Habits**

Bethany Moore, University of Missouri - Columbia; Jennifer Bohanek, University of Missouri - Columbia; Fiorella Carlos Chavez, Arizona State University; Joy Roos, University of Missouri - Columbia; Sahitya Maiya, Utah State University; Jean Ispa, University of Missouri - Columbia (Jennifer Bohanek, Faculty Sponsor)

**36 Parental Stress of Individuals with Autism**

Caitlin Kenney, John Carroll University (Tracy Masterson, Faculty Sponsor)

**37 Older adults' attachment styles and emotion regulation ability**

Abigail Behrend, Baldwin Wallace University (Stephanie Rothman, Faculty Sponsor)

**38 Do authoritative parents have grittier children? The relationship between parenting behavior and child grit from two perspectives**

Kayla Mast, Elmhurst University (Dr. Catherine Gaze, Faculty Sponsor)

**39 The relationship between experienced discrimination and ethnic racial identity on high school students' critical consciousness**

Kaila Swint, Loyola University Chicago; Akila Raoul, Loyola University Chicago; Ogechi Onyeka, Loyola University Chicago; Maryse Richards, Loyola University Chicago; Yael Granot, Smith College; Samantha Avila (Maryse Richards, Yael Granot, Faculty Sponsor)

**40 A social gambling task and its relation to physiological responses in children and adults**

Taylor Kegen, University of Wisconsin Green Bay; Carter Crowley; Connor DeCoster (Sawa Senzaki, Faculty Sponsor)

**41 The use of eye-tracking to examine development through the Ebbinghaus illusion**

Kayla Toivonen, University of Wisconsin-Green Bay; Samantha Bartkowiak, University of Wisconsin Green Bay; McKenzie Thompson, University of Wisconsin Green Bay; Samantha Tauferner, University of Wisconsin Green Bay (Sawa Senzaki, Faculty Sponsor)

**42 The Influence of Perinatal Stressors on Observed Activity Levels in Preschool-Aged Twins**

Tehya Payne, Southern Illinois University-Carbondale (Lisabeth DiLalla, Faculty Sponsor)

**43 Word scenes**

Jordan Demrose, Hope College; Mikenna Davidson, Hope College; Natalie Ramsay, Hope College; Danielle Mitchell, Hope College (Lauren Slone, Faculty Sponsor)

**44 "It's Mine!" How 19-month olds understand ownership**

Elizabeth Fleming, University of Missouri-Columbia (Yuyan Luo, Faculty Sponsor)

**45 The effect of building materials on families' spatial language during a playful construction activity**

Evan Vlahandreas, Northwestern University; Claire Mason, Northwestern University; Naomi Polinsky, Northwestern University; Catherine A. Haden, Loyola University Chicago; David Uttal, Northwestern University (David H. Uttal, Faculty Sponsor)

#### **46 Death Salience, COVID19, and Aging**

Teresa Kemp, North Hennepin Community College; Eve Willadsen-Jensen, North Hennepin Community College (Eve Willadsen-Jensen, Faculty Sponsor)

#### **47 Perceptions of parent-teacher engagement in preschools**

Vivian Ou, Truman State University; Emma Wituk, Truman State University; Allison Ludwinski, Truman State University; Whitney Rowland, Truman State University (Katrina Schmerold, Faculty Sponsor)

#### **48 Father Involvement and Child Behavior in African American Families**

Delaney Hansen, Eastern Michigan University; Karen Glownia, Eastern Michigan University (Heather Janisse, Faculty Sponsor)

#### **49 Differential role of verbal versus spatial skills**

Isabelle Farmer, University of Iowa; Haley Laughlin, University of Iowa; Ece Demir-Lira, University of Iowa (Ece Demir-Lira, Faculty Sponsor)

#### **50 Do you attach to your parents the same way you attach to your romantic partners?**

Kelsey Papineau, Lewis University; Spencer Campbell, Lewis University (Spencer Campbell, Faculty Sponsor)

#### **51 The Role of Parental Numerical Input in Preschoolers' Number Processing Development**

Emily Severino, University of Iowa; Ece Demir-Lira, University of Iowa; Paige Nelson, University of Iowa (Ece Demir-Lira, Faculty Sponsor)

#### **52 ePrime Predicting Informal Math Activities and Non-Symbolic Task Processing**

Laxmi Annappureddy, The University of Iowa; Ece Demir-Lira, University of Iowa; Paige Nelson, University of Iowa (Ece Demir-Lira, Faculty Sponsor)

#### **53 Are communication skills in 3- to 4-year-olds related to theory of mind and inhibition?**

Valerie San Juan, Bradley University; Nicole Tucker, Bradley University; Daniel Simmonds, Bradley University; Jahne Manifold; Madelynn Brush; Madelyn Grady, Bradley University; Marianna Rodriguez, Bradley University (Valerie San Juan, Faculty Sponsor)

**54 Cardinality Principle**

Annamaria Iarrapino, University of Iowa (Ece Demir Lira, Faculty Sponsor)

**55 College students' health over the course of the COVID-19 pandemic**

Cameron Appelt, Southern Illinois University Edwardsville; Madison Kennedy, Southern Illinois University Edwardsville; Parker Kent, Southern Illinois University Edwardsville; Mackenzie Richards, Southern Illinois University Edwardsville; Mckenna Seling, Southern Illinois University Edwardsville (Laura Pawlow, Faculty Sponsor)

**56 The effect of physical disabilities on disordered eating behavior patterns: The contributions of low body image and mental health**

Madelyn Hubbs, Maryville University (Dustin Nadler, Faculty Sponsor)

**57 Health implications of deidentifying from religion for young adults**

Amy Osterbaan, Hope College (Alyssa Cheadle, Faculty Sponsor)

**58 Coronavirus: A new and interesting risk factor for compassion fatigue**

Miranda Ulses, Loras College (Lisa Grinde, Faculty Sponsor)

**59 Understanding the feelings of being a burden: A qualitative study of young-adults with a chronic illness**

Ashley Lundell, Carthage College (Kateryna Sylaska, Faculty Sponsor)

**60 Personality, Percieved Stress, and Adherence to Rehabilitation**

Elizabeth Hume, Adrian College (Dr. Stacey Todaro, Dr. Janet Pietrowski, Faculty Sponsor)

**61 The statistical significance of self-compassion intervention amongst college students**

Natalie Bosch-Brayton, University of Wisconsin - River Falls (Todd Wilkinson, Faculty Sponsor)

**62 Pressure based stress in healthy and injured athletes**

Paige Ravenscroft, Nebraska Wesleyan University (Rachel Hayes, Faculty Sponsor)

**63 Effect of Negative Expectancy on Physiological Responses to Essential Oil**

Chi Hang Wong; Alison Bachowski; Megan McClain; Ethan Ward; Micah

Condon; Elisha Injeti; Chao Liu, Cedarville.edu (Chao Liu, Elisha Injeti, Faculty Sponsor)

**64 Monitoring Caregivers' Likelihood of Child COVID-19 Vaccinations during Summer and Fall 2021**

Erin Flynn, University of Wisconsin - Milwaukee; Lindsay Durkin, Rosalind Franklin University of Medicine; Madeline Johnson, University of Wisconsin - Milwaukee; W. Hobart Davies, University of Wisconsin-Milwaukee; Rachel Neff Greenley, Rosalind Franklin University of Medicine & Science (Rachel Neff Greenley, W. Hobart Davies, Faculty Sponsor)

**65 Influences on the acceptance of positive framing in side-effect information**

Kim Gorner, University of Toledo; Kelly Clemens, University of Toledo; Mette Sieg, Aarhus University; Lene Vase, Aarhus University; Luana Colloca, University of Maryland; Andrew L. Geers, University of Toledo (Andrew L. Geers, Faculty Sponsor)

**66 Anxiety and Sleep in Middle-aged and Older Adults: Moderating Roles of Rurality and Nutrition**

Puja Halder, University of Missouri-Columbia; Ashley Curtis; Amy Costa, University of Missouri - Columbia (Ashley Curtis, Faculty Sponsor)

**67 Attitudes towards the outdoors: College students' trends before and during the pandemic shutdowns**

Hannah Meade, Hope College; McKenna Bartley; Natalie Ramsay, HOPE COLLEGE; Mikenna Davidson, Hope College; Corine LaFrenier, Hope College; Andrea Rocco; Elijah Maxwell (Sonja Trent Brown, Faculty Sponsor)

**68 The Relationship Between Alcohol Problems and Self-Compassion: The Role of Self-Esteem as a Mediator**

Evan Moon, Iowa State University; Carlos Vidales, Iowa State University; David Vogel, Iowa State University (Carlos Vidales, Faculty Sponsor)

**69 Comparing American and Canadian COVID-19 vaccine hesitancy in relation to sensation seeking and risky alcohol use**

Karlee Migneault, Northern Kentucky University; Cecile A. Marczynski, Northern Kentucky University (Cecile A. Marczynski, Faculty Sponsor)

**70 Marijuana, alcohol, and caffeine use in Missouri**

Miranda Brannum, Lindenwood University (Colleen Biri, Faculty Sponsor)

**71 Screen time and college students' mental health before and during the COVID-19 shutdowns**

Andrea Rocco; Natalie Ramsay, Hope College; Mikenna Davidson, Hope College; Corine LaFrenier, Hope College; Elijah Maxwell; McKenna Bartley; Hannah Meade, Hope College (Sonja Trent Brown, Faculty Sponsor)

**72 Can prompts about basic psychological needs improve mental well-being during a pandemic?**

Ashlyn Wischmeyer, Xavier University; Corbin Harvey, Xavier University; Lydia Hock, Xavier University (Tammy Sonnentag, Cindy Dulaney, Faculty Sponsor)

**73 Exploring types of Harassment & its effects**

Cagla Unalan, University of Kansas; Kirstie Camp, University of Kansas; Rachel Fisher; Anna Pope, University of Kansas (Anna Pope, Faculty Sponsor)

**74 How Social Media May Lower Self Esteem in Young Adults**

Alyssa Arzuaga, Concordia University Chicago; Jason Pych, Concordia University Chicago (Jason Pych, Faculty Sponsor)

**75 Family of Origin Factors Associated with College Student Well-Being**

Payton Sigafus, Edgewood College; David Lambert, Edgewood College (David Lambert, Faculty Sponsor)

**Psi Chi Symposium II**

Thu 10:00AM - 10:50AM

Salon 02

**10:00 Publishing Undergraduate Research: Benefits, Outlets, and Process**

Merry Sleight, Winthrop University

This session is geared toward undergraduate researchers and their mentors. We will discuss the benefits of publishing undergraduate research as well as possible journal options and strategies. We will also go through the steps of submitting research, thinking about what to expect at each stage of the process.

## Psi Chi Poster Session III

Thu 10:00AM - 10:50AM

Upper Exhibit Hall

### 1 **PSI CHI AWARD WINNER**

#### **Peer Pressure as a Barrier to Reporting Date Rape**

Jasmine McCallum, John Carroll University; Jamie Gatesman, John Carroll University (John Yost, Faculty Sponsor)

Females read a scenario where a friend was the victim of a rape perpetrated by a member of their mutual friend group or a stranger. High Rape Myth Acceptance (RMA) females were less likely to believe that the rape occurred if the perpetrator was a friend vs. a stranger.

### 2 **PSI CHI AWARD WINNER**

#### **Embracing the patriarchy, women do it too: How women's endorsement of the Madonna-whore dichotomy predicts objectification of other women**

Kya Ohlson, Carroll University; Alioska Patiño-Mercado, Carroll University; Emma Newhouse, Carroll University; Abigail Riemer, Carroll University (Abigail R. Riemer, Faculty Sponsor)

We explored women's endorsement of the Madonna-whore dichotomy - a polarized view of women's sexuality. Survey responses suggest women's endorsement of this dichotomy indirectly predicts objectification of other women because endorsement diminishes acceptance of others' self-sexualizing behaviors. Discussion will center on factors that lead women to justify gendered systems of oppression.

### 3 **PSI CHI AWARD WINNER**

#### **Believability of Victims as a Function of Incident Severity and Time**

Benjamin Pollman, Saint Louis University; Jeremy Becker, Saint Louis University; Ruth Warner, Saint Louis University (Ruth H. Warner, Faculty Sponsor)

Across two studies, we investigate how much the severity of an incident and the time it takes the victim to disclose, influences peoples' perceptions. The primary objective of these studies is to examine the extent to which American residents believe how quickly a victim should disclose an incident depending on its severity.

#### **4 Smartphones, stupid interactions? Phone presence and social interaction**

Michaela Vondrum, University of St. Thomas; Alexis Kunze, University of St



Thomas; Makayla Quinn, University of St. Thomas (Greg Robinson-Riegler, Faculty Sponsor)

**5 Gender bias influence on deception detection**

Hunter Clark, Georgetown College (Jennifer Price, Faculty Sponsor)

**6 Public perception and opinion change regarding solitary confinement**

Kimberly Ingold, Ball State University; Alexandria Johnson, Ball State University (Alexandria K. Johnson, Faculty Sponsor)

**7 "That was a lot of my childhood—being careful what you liked": Growing Up Male in a Latinx Household**

José Maciel, University of Idaho (Dr. Traci Craig, Faculty Sponsor)

**8 Individual difficulties in emotion regulation and degree of relationship conflict predict overall relationship quality.**

Alexandra Petryczenko, University of Delaware (Lisa Jaremka, Megan Nadzan, Faculty Sponsor)

**9 Time, Change and the Self**

Kenya Vance, Missouri Western State University; Callie Smith, Missouri Western State University; Andrea Corpus, Missouri Western State University; Tatiyanna Mackall, Missouri Western State University; Rebecca GrandPre, Missouri Western State University; Brooklyn Cornett, missouri western state university (Dr. Teddi Deka, Faculty Sponsor)

**10 Getting by with a Little Help from My Friends: Examining Links among Body Talk and Affirmation in Secular and Religious Settings on Women's Body Satisfaction**

Demetria Johansen, Hope College; Dylan Sherman, Hope College (Mary Inman, Faculty Sponsor)

**11 The role of facial width-to-height ratio, gender, and race/ethnicity in the perception of negative personality traits**

Marley Kiewiet, Wartburg College (Andrea Eslick, Faculty Sponsor)

**12 Pandemic Politics: The Influence of Political Identity on CDC Guideline Compliance During the COVID-19 Pandemic**

Laura Potter, Wright State University; Sarah Jackson, Wright State University (Sarah Jackson, Faculty Sponsor)

**13 Rioters or peaceful protesters? Effect of race and threat on perceptions of political demonstrations**

Monty Crain, Central College (Randall Renstrom, Faculty Sponsor)

**14 Evaluating predictors of rape myth acceptance on a college campus**

Audrey Harris, Loyola University Chicago (Tracy DeHart, Faculty Sponsor)

**15 The Effect of Trust and Betrayal on Oxytocin**

Emma Holtz, Western Illinois University (Dr. Kristine Kelly, Faculty Sponsor)

**16 Victim blaming: A replication & extension of Muehlenhard et al. (1985)**

Maggie Luong, Buena Vista University; Jasmin Terven; Tabitha Guyett; Rylie Jacobsen; Joshua Dunsbergen; Johnston Kylie; Powers Max; Wind Goodfriend, Buena Vista University (Wind Goodfriend, Faculty Sponsor)

**17 Future health professionals' perceptions of nonbinary individuals**

Megan Adamowski, Elmhurst University; Jessica Sim, Elmhurst University (Jessica Sim, Faculty Sponsor)

**18 Effect of Individualist Priming on Policy Opinion of Conservatives**

Leighia VanDam, Central College (Randall A. Renstrom, Faculty Sponsor)

**19 Self-Expansion in the Theatre: Implications on Personality On & Off Stage**

Jack Swanson, Baldwin Wallace University; Emily Hathcock, Baldwin Wallace University; Claire Waller; Stephanie Rothman, Baldwin Wallace University (Stephanie Rothman, Faculty Sponsor)

**20 Does this Depression Make Me Look Liberal? Examining the Relationships between Depression, Social Desirability, and Political Ideology**

Ashlen Grubbs, Murray State University; Grace Sinclair, Murray State University (Dr. Duncan Gage Jordan, Faculty Sponsor)

**21 Promoting inclusive behavior using commitment and consistency**

Abdullah Marei, University of Wisconsin-Madison; Naomi Isenberg, University of Wisconsin-Madison; Markus Brauer, University of Wisconsin-Madison (Naomi Isenberg, Markus Brauer, Faculty Sponsor)

**22 What is the Relationship Between the COVID Burden and Personality Traits?**

Crystal Collins, Andrews University; Myrnaliza Tan, Andrews University; Mallary Andersen, Andrews University; Destiny Miller, Andrews University (Karl G. D. Bailey, Harvey J. Burnett, Jr, Faculty Sponsor)

**23 Moderators of depression and anorexia readiness syndrome in college aged females.**

Izabella Ljumani, Edgewood College (David Lambert, Faculty Sponsor)

**24 Hardships & Resilience: Families in a Pandemic**

Mia Pylkkanen, St. Olaf College; Claire Mueller, St. Olaf College; Samirah Tunks, St. Olaf College; Erica Kanewischer (Dr. Erica Kanewischer, Faculty Sponsor)

**25 Online versus traditional learning: Academic performance and learning disabilities**

Camri Middleton, Maryville University (Dustin Nadler, Faculty Sponsor)

**26 Cultural Bias in Cybersecurity**

Sarah McCoy, Southern Illinois University Edwardsville; Alyssa Cerna, Southern Illinois University Edwardsville; Barbara Ellis, Southern Illinois University Edwardsville; Patricia Roberts, Southern Illinois University Edwardsville; Alexandra Hardy, Southern Illinois University Edwardsville (Jason R. Finley, Rachel E. Tennial, Faculty Sponsor)

**27 The Role of Professor Support in Career and Life Preparedness**

Valeria Jimenez, Manchester University (Marcie Coulter-Kern, Faculty Sponsor)

**28 Factor Structure of the Religious Ethnocentrism Scale**

Brian Martin, Creighton University; Gary Leak, Creighton University (Gary Leak, Faculty Sponsor)

**29 How is social media use related to sexual objectification and relative deprivation?**

Yeonsoo Cho, Iowa State University; Jordan McWilliams, Iowa State University; Nyakota Ding, Iowa State University; Nathan Niyen, Iowa State University; Duncan Meyer, Iowa State University; Rachel Kelly, Iowa State

University; El-Lim Kim, Iowa State University (El-Lim Kim, Faculty Sponsor)

### **30 Control, Attitudes, Norms, and Mood**

Emily Cooper, Maryville University; Michelle Rabinovich, Maryville University of St Louis; Dustin Nadler, Maryville University; Hannah Harrison, Maryville University; Juliet Burlew, Maryville University; Damir Koldzic, Maryville University (Dustin Nadler, Faculty Sponsor)

### **31 Investigating the Role of Presence on Hostility Across Multiple Gaming Platforms**

Zoe Miller, Kenyon College; Patrick Ewell, Kenyon College (Patrick Ewell, Faculty Sponsor)

### **32 Immigrant identity and money for college**

Claire Galloway, DePaul University; safa asad, DePaul University; Christine Reyna, DePaul University; Kennedy Cadichon, DePaul University; Daniel Hansen, DePaul University (Christine Reyna, Faculty Sponsor)

### **33 The effects of the COVID-19 pandemic on college students' depressive symptoms and empathy levels towards peers and vaccination status.**

Jena Krueger, University of Wisconsin - Green Bay (Jason Cowell, Faculty Sponsor)

### **34 The well-being of Filipino migrants in Japan**

Ashley Li, Kenyon College (Sarah Murnen, Faculty Sponsor)

### **35 Virtual classes: Do students feel the need to attend?**

Sarah Burmester, Lindenwood University (Michiko Nohara-LeClair, Faculty Sponsor)

### **36 Effects of the Ethnoracial Matching of Students and Teachers on Perceived Engagement and Knowledge Retention**

Soren Koch-Hutchinson, Xavier University; Jacob Balconi, Xavier University; Ben Foley, Xavier University (Dr. Cindy Dulaney, Faculty Sponsor)

### **37 Thanatological tattoos and continuing bonds theory**

Carmen Hidalgo, University of Wisconsin - Green Bay (Illene Cupit, Faculty Sponsor)

**38 Moral thinking across the world: Exploring the influence of personal force and intention in moral dilemma judgements**

Erin Sievers, Ashland University; Savannah Lewis, Ashland University (Christopher Chartier, Faculty Sponsor)

**39 Prospective person memory in the case of missing persons: a coffee shop study**

Cara Bascom, University of Arkansas; Nia Gipson, University of Arkansas; James Lampinen, University of Arkansas (James Michael Lampinen, Faculty Sponsor)

**40 Put yourself in their shoes: Empathy and thinking patterns**

Tyler Robinson, Murray State University (Patrick Cushen, Faculty Sponsor)

**41 From Chick-fil-A to tailgating: How comfortable are they?**

Miranda Brannum, Lindenwood University; Marit de Lau, Lindenwood University; Annika Beal (Sara Bagley, Faculty Sponsor)

**42 The impact of perfectionism: A motivational perspective**

Kaleb Hage, Mount Mercy University; Jaclynn Sullivan, Mount Mercy University (Jaclynn Sullivan, Faculty Sponsor)

**43 Gender Comparative Empathy for Sexual Assault Survivors: Are Individuals More Empathic Toward Male or Female Identified Sexual Assault Survivors**

Shania Kelly, Loras College; Andrea Miller, Loras College (Lindsey Bartgis, Faculty Sponsor)

**44 Evaluating The Effects of Aromatherapy on Stress**

Tucker Aeschliman, Clarke University (Dr. Larissa Arnold, Faculty Sponsor)

**45 Opinions on Abortion**

Isabel Booth, Lindenwood University (Colleen Biri, Faculty Sponsor)

**46 Journaling, Stress, and Positive Affect**

Donya (Nina) Khademi, Denison University; Sylvia Phillips, Denison University; Chloe Nicholson, Denison University (Dr. Erin Henshaw, Faculty Sponsor)

**47 Self-Compassion and Mood Within College Students**

Jacqueline Laskowski, Denison University; Tess McNulty; Illiana Perrin; Eric Rodriguez (Erin Henshaw, Faculty Sponsor)

**48**

**PSI CHI AWARD WINNER**

**Effect of Injuries on Eating Disorders and Psychological Factors**

Mikaela Sullivan, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

The purpose of the study was to investigate the discrepancies in disordered eating and other psychological health factors in injured and uninjured female athletes. It was hypothesized that female injured athletes will report lower body image and self-esteem and higher depression and disordered eating than female uninjured athletes.

**49 Posttraumatic Growth and “Negative” Coping Early in the COVID-19 Pandemic**

Victoria Kaznowski, Oakland University; Lazo Dordeski, Oakland University; Whitney Dominick, Oakland University; Kanako Taku, Oakland University (Kana Taku, Faculty Sponsor)

**50 Stability of autism diagnoses in young children**

Olivia Jeckel, University of Missouri - Columbia (Kerri P. Nowell, Faculty Sponsor)

**51 “Look pretty and don’t talk back”: Self-silencing and self-objectification as coping responses to the male gaze.**

Madison Pavone, Baldwin Wallace University (Debora Esty, Faculty Sponsor)

**52 The association between academic support and sluggish cognitive tempo in college students.**

Eva Darow, Loyola University of Chicago; Genevieve E. Roth, Loyola University Chicago; (Zoe Smith, Faculty Sponsor)

**53 Mental health treatment stigma and utilization across US higher education institutions**

Jeffrey Flinchem, Augustana College (Shara Stough, Faculty Sponsor)

**54 A dimensional analysis of exercise, mood, well-being and personality pathology**

Kaley Murday, University of Notre Dame; Lee Anna Clark, University of Notre Dame; Alejandro Corona Espinosa, University of Notre Dame (Lee Anna Clark, Alejandro Corona Espinosa, Faculty Sponsor)

**55 The relationship between parenting styles and depressive symptoms and the mediating role of coping among emerging adults**

Yi Jiang, Denison University (Erin Henshaw, Faculty Sponsor)

**56 Undergraduate college students cannabis use: Investigating students' cannabis use patterns aligned to legalization laws in their home states**

Hope Edwards, University of Missouri (Ashley Helle, Faculty Sponsor)

**57 How Maternal Characteristics Relate to Different Types of Comforting Parenting**

Abigail Pleiman, Miami University; Elizabeth Aaron, Miami University; Elizabeth Kiel, Miami University (Elizabeth Kiel, Faculty Sponsor)

**58 Associations of acculturation and depressive symptoms in Latinx adolescents with spina bifida**

Mikaela de Lemos, Loyola University Chicago; Olivia E. Clark, Loyola University Chicago (Grayson N. Holmbeck, Faculty Sponsor)

**59 Motivational Factors and Personality Traits Associated with Problematic Cannabis Use**

Amanda Day, University of Missouri, Columbia (John G. Kerns, Faculty Sponsor)

**60 The interaction of social anxiety and ostracism on binge drinking behaviors in undergraduates**

Marisa Keever, Bradley University; Giovanna Zacarias, Bradley University (Amy Bacon, Faculty Sponsor)

**61 PSI CHI AWARD WINNER**

**Forgive, Fall Asleep, and Flourish: Overcoming Rumination through Compassion**

Sabrina Blank, Hope College; Andrew Gall, Hope College; Charlotte vanOyen-Witvliet, Hope College (Andrew Gall, Charlotte Witvliet, Faculty Sponsor)

This research contributes both trait and experimental state findings on forgiveness in relationship to sleep, highlighting the adverse role of

rumination. The experiment provides novel evidence that evening rumination impaired forgiveness and sleep. Compassionate reappraisal fostered forgiveness, improved sleep latency with fewer sleep disturbances, and promoted prosociality and flourishing.

### **62 The Relationship Between Daydreaming and Meaning in Life**

Anthony Overton, University of Missouri, Columbia; Hope Rose, University of Missouri; Laura King, University of Missouri, Columbia (Laura A. King, Faculty Sponsor)

### **63 Satisfaction with life, the Big Five, and the mediatory role of perceived restorativeness**

James Brads, Taylor University; Luke Slater, Taylor University (Dr. Laura McClelland, Faculty Sponsor)

### **64 A psychologically rich life and its correlates**

Nhi Le, Truman State University; Duy Le, Truman State University (Yuna Ferguson, Faculty Sponsor)

### **65 Colorful and monochromatic nature imagery in relation to affect**

Joseph Rufflo, University of Wisconsin - Oshkosh; Lizzie Gowin; Asia Won; Vanessa Monfredo-Hillman (Amy Knepple Carney, Faculty Sponsor)

### **66 Understanding the motivation and well-being of habitual Knitters**

Sarah Donahoe, University of Missouri Columbia; Kennon Sheldon, University of Missouri, Columbia (Kennon Sheldon, Faculty Sponsor)

### **67 Would a Rose Given Away Smell as Sweet? Examining whether past generosity influences potential future generosity and happiness**

Yuxuan Yang, University of Wisconsin-River Falls (Dr. Todd Wilkinson, Faculty Sponsor)

### **68 Christian mindfulness and reducing stress**

Madelynn Klug, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

### **69 Hope for the Future: Lived Hopes Fulfilled Predict Greater State Hope, Self-Regulation, and Flourishing**

David Rende, Hope College; Caitlyn Phillips, Hope College; Onnah Dereski,



Hope College; Isabel Santos, Hope College (Lindsey Root Luna, Faculty Sponsor)

**70 How objective are you? Intellectual humility and cognitive biases**  
Nastasya Woodcock, Kenyon College; Coco Liu, Kenyon College; Benjamin Meagher, Hope College (Benjamin R. Meagher, Faculty Sponsor)

**71 Memory and identity: Peak experiences and post-traumatic growth**  
Tabitha Guyett; Lucas Williamson, Buena Vista University; Kiaya Pernick; Jasmin Terven; Rylynn Gilmore; Julianna Gates; Ally Pope; Wind Goodfriend, Buena Vista University (Wind Goodfriend, Faculty Sponsor)

**72 The mediating effects of perceived control on the association between meaning in life and stress**  
Di Yao, University of Illinois at Urbana-Champaign; Sarah Ward, University of Illinois at Urbana-Champaign (Sarah Ward, Faculty Sponsor)

**73 Nutrition, exercise, and personality differences between larks and night owls**  
Marit de Lau, Lindenwood University (Rebecca D. Foushee, Faculty Sponsor)

**74 Missed that exit?: The effects of music on memory for roadside information**  
James Groh, Xavier University; Michael Bryan, Xavier University (Cynthia Dulaney, Faculty Sponsor)

### **Psi Chi Symposium III**

Thu 11:00AM - 11:50AM

Salon 02

**11:00 How to Prepare for Graduate School Interviews**  
Jamie L. Bromley, Franklin College; Marcie Coulter-Kern, Manchester University

This session is for undergraduates to learn tips on how to best prepare for graduate school interviews, in-person or online. We will discuss similarities and differences between Master's and Doctoral graduate school interviews and provide frequently used interview questions to help undergraduates prepare. We will bring information from students that have gone through the process recently and graduate faculty that do the interviewing. We will also

cover best practices for how to proceed when your interview is complete. This session is for undergraduate students who are preparing for graduate school interviews, in-person or online.

### **Psi Chi Poster Session IV**

Thu 11:00AM - 11:50AM

Upper Exhibit Hall

#### **1 Age and worry about others predict intentions to vaccinate against COVID-19 in the United States**

Jenna Rogers, University of Missouri - Columbia; Victoria Shaffer, University of Missouri; Aaron M. Scherer, University of Iowa; Angela Fagerlin, University of Utah; Christopher Knoepke; Brian Zikmund-Fisher, University of Michigan; Dan Matlock, University of Colorado Anschutz Medical Campus; Sean Duan, University of Missouri; Laura Scherer, University of Colorado Denver- Anschutz Medical Campus (Dr. Victoria Shaffer, Faculty Sponsor)

#### **2 Family Resilience and COVID Related Stress Over the First Year of the COVID-19 Pandemic**

Abdulghafoor Alani, Loyola University Chicago; Hannah Hagy, Loyola University Chicago; Laura Nicholson, Loyola University Chicago; Carolyn Bates, Children's Mercy Kansas City; Amy Bohnert, Loyola University Chicago (Amy Bohnert, Faculty Sponsor)

#### **3 Exercise improves affect and anxiety in the setting of the COVID-19 Pandemic**

Morgan Walser, Grinnell College (Elizabeth Queathem, Faculty Sponsor)

#### **4 Anxiety, invincibility, and attitudes toward COVID-19 restrictions: a comparison of first year students in 2020 and 2021**

Sara Harris, Denison University; Folly Folivi, Denison University; Elisa Flores, Denison University; Jisoo Kim, Denison University; Tanajahnee McGee, Denison University (Erin Henshaw, Susan Kennedy, Andrea Lourie, Faculty Sponsor)

#### **5 Smartphone impact on learning and stress**

MacKenzie Grenko, Simspon College (Don Evans, Faculty Sponsor)

**6 Exercise procrastination and next day intention-behavior gaps**

Caroline Strauel, Coe College; Scout Kelly, Coe College (Scout Kelly, Faculty Sponsor)

**7 Message Received: Racial Socialization and Its Effect on the Self-Esteem of African American Young Adult Women**

Jade Williams, university of Missouri; Antoinette M. Landor, University of Missouri-Columbia (antoinette landor, Faculty Sponsor)

**8 The Modern Meditation: Video Games Effect on Mood and Stress**

Brian Ray, Northeastern Illinois University; Amanda Dykema-Engblade, Northeastern Illinois University (Amanda Dykema-Engblade, Faculty Sponsor)

**9 Combatting Mental Health Misconceptions Among College Students**

Audrey Peterman, Xavier University; Gabriella Martino, Xavier University; Gracie Busch (Dalia Diab, Heather McCarren, Faculty Sponsor)

**10 Personality traits, adherence to COVID-19 guidelines, and social anxiety**

Madison Lakosky, Wittenberg University; Christine Tomlin, Wittenberg University; Meghan Engle (William Davis, Faculty Sponsor)

**11 Exercise procrastination and next day intention-behavior gaps**

Caroline Strauel, Coe College (Scout Kelly, Faculty Sponsor)

**12 A retrospective and prospective study of physical activity and health indicators during the COVID-19 shutdowns: a holistic approach**

Andrea Rocco; Elijah Maxwell; Corine LaFrenier, Hope College; Natalie Ramsay, HOPE COLLEGE; Mikenna Davidson, Hope College; McKenna Bartley; Hannah Meade, Hope College (Sonja Trent Brown, Faculty Sponsor)

**13 How Emotional States Impact Focus; A Study on "Deep Work"**

Isabella Gregory, Manchester University; James Corgan, Manchester University; Valeria Acosta, Manchester University (Marcie Coulter-Kern, Faculty Sponsor)

**14 Self esteem effects in foster care youth based on independent living programs**

Eliana Sanchez, Saint Mary's College (Andrea O'Rear, Faculty Sponsor)

**15 Effects of Gratitude and Self-Compassion on White and Non-White Athletes' Psychosocial Outcomes**

Betty Rose-Ackley, University of Wisconsin-Green Bay (Tsz Lun (Alan) Chu, Faculty Sponsor)

**16 Relief through dance: Impact of dance on mental health through need satisfaction**

Melody Bragdon, Bradley University; Lane Beckes, Bradley University (Lane Beckes, Faculty Sponsor)

**17 A glass half empty: Assessing the role of mood-induction in working memory performance**

Tyler Robinson, Murray State University (Gage Jordan, Faculty Sponsor)

**18 Sleep deprivation and memory retention of a T-maze in zebrafish**

Charles Vallandingham, Thomas More University (Dr. Whitney Pugh Ph.D., Faculty Sponsor)

**19 There's no place like dorm: Actual-ideal dorm ambiance discrepancy as a unique predictor of psychological well-being in undergraduate students**

Brynn Anderson, Hope College; Kayla Brady, Hope College; Elliana Hamilton, Hope College; Benjamin Meagher, Hope College (Benjamin Meagher, Faculty Sponsor)

**20 Wrapped up in patriarchy: The influence of gender role attitudes on sexual behavior and attitudes about casual sex**

Aminah Bradley-Pikes, University of Missouri Columbia (Antoinette M. Landor, Faculty Sponsor)

**21 Political Ideology and perceived Bias in News**

Christine Tomlin, Wittenberg University (Michael Anes, Faculty Sponsor)

**22 The Relationships between Anxiety and Productivity in College Students**

Lisa Doan, Mount Mercy University; Jaclynn Sullivan, Mount Mercy University (Jaclynn Sullivan, Faculty Sponsor)

### **23 Public views of sentencing: emotions and decision frames**

Danielle Gregoricka-Colby, Loyola University Chicago; Loretta Stalans, Loyola University Chicago (Loretta Stalans, Faculty Sponsor)

### **24 Is it easier to discriminate between odors when they differ in their pleasantness and edibility?**

Sierra Follett, Carthage College; Autumn Rajcevich-Schwer, Carthage College; Lizeth Lara, Carthage College; Steven Mancilla, Carthage College; Christina Lenzion, Carthage College (Leslie Cameron, Faculty Sponsor)

### **25 The Effect of Personality Traits and Psychological Impact of COVID-19 on Academic Performance**

Skyler Weber, Nebraska Wesleyan University (Elizabeth Freeman, Faculty Sponsor)

### **26 The Distribution of Undergraduate Teaching Opportunities for Women and Students of Color**

Prayer Childress, Dominican University (Tracy Caldwell, Faculty Sponsor)

### **27 Students inadequately trained and less engaged in online courses due to Covid-19**

Tricia Zimmerman, Cardinal Stritch University; Gal Dahan, Cardinal Stritch University; Sabiha Uyaner, Cardinal Stritch University; Sahnaya Thom, Cardinal Stritch University (Sahnaya Thom, Carrole Hetzel, Faculty Sponsor)

### **28 Metabolic and functional studies during neuron development**

Tracey Singer, University of Missouri-Columbia; Li Zhang, University of Missouri-Columbia; Zhe Zhang, University of Missouri-Columbia; Shinghua Ding, University of Missouri-Columbia (Shinghua Ding, Faculty Sponsor)

### **29 Stress and Academics**

Sarah Walton, Depaul University (Cities Project, Depaul University, Faculty Sponsor)

### **30 College Students' Psychological Well-Being: Understanding the Influence of Self-Efficacy, Growth Mindset, Motivation, and COVID-19**

Vladimira Cechova, North Park University; Amy Governale, North Park University; Kathryn O'Toole, North Park University (Amy Governale, Kathryn O'Toole, Faculty Sponsor)

**31 Examining the relationship between academic anxieties and academic self-efficacy in college students**

Dedra Ratermann, Southern Illinois University Edwardsville (Sarah Conoyer, Faculty Sponsor)

**32 Perfectionism and stress in college students**

Elliana Waring, University of Wisconsin-Superior (Eleni Pinnow, Faculty Sponsor)

**33 There's no crying in baseball: correlates of competitive anxiety and personality in athletes**

Katie Banie, University of Wisconsin- La Crosse (Ryan McKelley, Faculty Sponsor)

**34 Hue lot of emotion**

Sydney Beins, Lindenwood University (Michiko Nohara-LeClair, Faculty Sponsor)

**35 Genes, neonatal nursery and biobehavioral development**

Emilia Meredith, University of Wisconsin Madison; Peter Pierre, University of Wisconsin-Madison; Amita Kapoor, WNPRC; Allyson J. Bennett, University of Wisconsin-Madison (Peter Pierre, Amita Kapoor, Allyson Bennett, Faculty Sponsor)

**36**

**PSI CHI AWARD WINNER**

**A friend in need, investigating empathy and prosocial behavior utilizing rat models.**

Daniel Roever, University of Wisconsin - River Falls; Sidney Peck, University of Wisconsin - River Falls (James Cortright, Faculty Sponsor)  
The purpose of this study is to investigate and test the limits of prosocial behaviors in animal models and investigate potential morphological correlates within their neural structure. So far animals are performing the target behaviors, with some ceasing their performance when negative stimuli are presented, in line with expectations.

**37 The role of chronic caffeine administration on the attenuation of depressive behaviors in long evans rats.**

Daniel Roever, University of Wisconsin - River Falls; Sidney Peck, University of Wisconsin - River Falls; Carter Peterson, University of Wisconsin - River Falls; Lucy Landeata, University of Wisconsin-River Falls;

Tanya Bacon, University of Wisconsin - River Falls (James Cortright, Daniel Ehlinger, Faculty Sponsor)

**38 Autism Spectrum symptomology, empathy and physiological synchrony**

Linh Nguyen, Augustana College; Paige Ewers, Augustana College; Benjamin Thiele, Augustana College; Meghan Walsh, Augustana College (Rupa G.Gordon, Faculty Sponsor)

**39 Investigating the role of N-methyl-D-aspartate receptor antagonism in neurocognition using an operant-based behavioral flexibility procedure**

Étienne Beckemeyer, Northern Illinois University; Stephanie Muscott; Oreoluwa Akinbo, Northern Illinois University; Emily Errante, Northern Illinois University; Emily Dyba (Leslie Matuszewich, Faculty Sponsor)

**40 Relationship between repetitive behaviors and striatal dopamine in a multimodal imaging platform for precision medicine targeting autism spectrum disorder**

Karsen Wilkins, University of Missouri-Columbia; Carrina Appling, University of Missouri-Columbia (David Beversdorf, Faculty Sponsor)

**41 Social support as moderator of subjective and physiological responses to psychosocial stress**

Sarah McLaughlin, Carthage College; Alexandra Arber, Carthage College; Nora Nickels, Carthage College (Nora Nickels, Faculty Sponsor)

**42 Evaluation of social preference and social interaction in adolescent rats prenatally exposed to alcohol**

Abigail Bartels, Purdue University Fort Wayne; Avery Volz, Purdue University Fort Wayne; Carolyn Pang, Purdue University Fort Wayne (Amy Perkins, Faculty Sponsor)

**43 Alcohol Exposure and the 5 Choice Serial Reaction Time Task**

Lucas Williamson, Buena Vista University; Sydney Carroll, Buena Vista University; Tabitha Guyett; Hunter Wray; Steven Beckwith, Buena Vista University (Steven Wesley Beckwith, Faculty Sponsor)

**44 Behavioral inhibition and aggression across three macaque species: A brain-wide gray matter covariance analysis via Source-Based Morphometry (SBM)**

Yufan Ye, University of Wisconsin-Madison; Allyson Bennett, University of Wisconsin-Madison; Peter Pierre, University of Wisconsin-Madison (Allyson Bennett, Peter Pierre, William Hopkins, Faculty Sponsor)

**45 PTSD symptom expression and Dopamine D1 receptors in rats**

Madison Dillerud, Bradley University; Jacob O'Russa, University of Illinois-Urbana Champaign; Alaina Mabie, Bradley University; Sage Beckes, Bradley University; Alexandra Erdmier, Bradley University; Walker Koeltzow; Breana Wayne, Bradley University; Timothy Koeltzow, Bradley University (Timothy Koeltzow, Faculty Sponsor)

**46 Period 1 gene in the basolateral amygdala play a causal role in the consolidation of traumatic memory following fear conditioning (FC) in mice.**

Sofia Rubi, University of Missouri (Mahesh Thakkar, Rishi Sharma, Faculty Sponsor)

**47 Voluntary Co-Consumption of Low Nicotine and Alcohol in C57BL6/J Mice**

Emily Halcomb, Butler University; Jennifer Berry, Butler University (Jennifer Berry, Faculty Sponsor)

**48 Probing the role of ventral hippocampus to nucleus accumbens pathways in individual differences in appetitive learning**

Jacklyn Staffeld, Eastern Michigan University (Karen Saules, Jon Morrow, Faculty Sponsor)

**49 PSI CHI AWARD WINNER**

**Implications of race and age on behavior description interviews**

Kelsi Engelhardt, University of Wisconsin-Green Bay; Elena Hurley, University of Wisconsin - Green Bay; Farhiya Muhidin, university of Wisconsin Green Bay; Harrison Thiry, University of Wisconsin-Green Bay; Kyle VandeVenter, University of Wisconsin - Green Bay; Kamin Huffcutt; Emily Doran, University of Wisconsin - Green Bay (Allen Huffcutt, Faculty Sponsor)

Research has found that behavioral job interviews can be an effective tool when choosing candidates. However, some of the underlying dynamics of the BDI are not well understood. This study found that race and age play a role in how effectively candidates handled difficult customers in the experiences they described.



**50 Factors influencing pandemic-era work engagement in customer service positions**

Harrison Thiry, University of Wisconsin-Green Bay; Kyle VandeVenter, University of Wisconsin - Green Bay; Farhiya Muhidin, university of Wisconsin Green Bay; Elena Hurley, University of Wisconsin - Green Bay; Kelsi Engelhardt, University of Wisconsin-Green Bay (Allen Huffcutt, Faculty Sponsor)

**51 Examining performance rating stigmas associated with awareness of mental health diagnoses: Comparing novice and experienced raters**

Emily Kupka, University of Wisconsin-River Falls; Ari Ferguson, University of Minnesota - Morris; Diego Theisen, University of Wisconsin - River Falls (Travis Tubre, Faculty Sponsor)

**52 Interest-major fit and satisfaction: Extending theories of occupational fit to predict academic outcomes**

Sneha Kamath, Bowling Green State University (Dara Musher-Eizenman, Faculty Sponsor)

**53 Deep work in college students**

Hannah Thomson, Manchester University; Zoe Gascho, Manchester University; Tori Blough, Manchester University; Kaylee Blough, Manchester University; Benjamin Nesler, Manchester University; Kodi Douglass, Manchester University (Marcie Coulter-Kern, Faculty Sponsor)

**54 Assessing positive change in the workplace: Mapping a nomological network for the Work Posttraumatic Growth Inventory**

Meghan Armocida, Wright State University (Nathan Bowling, Faculty Sponsor)

**55 How Training an Informational-Gathering Approach Can Change Investigative Interviewing**

Shelby Parker, Iowa State University (Christian Meissner, Faculty Sponsor)

**56 Effects of an Information-Gathering Interrogation Training on Rapport**

Megan Ames, Iowa State University (Christian Meissner, Faculty Sponsor)

**57 Pandemic pressure: race, job insecurity, and stress during the pandemic**

David Taullahu, DePaul University; Jason Snyder, DePaul University; Alyssa Minton, DePaul University; Brooke Nyberg, DePaul University; Joseph Mikels, DePaul University (Joseph A. Mikels, Faculty Sponsor)

**58 Usability in Virtual Reality: A Study of Locomotion & Visual Feedback**

Abigail Irwin, Bradley University; Demaris Montgomery, Bradley University (Dr. DeMaris Montgomery, Faculty Sponsor)

**59 "Act Your Wage" How Collegiate Compensation Effects Employee Engagement**

Caitlin McGettrick, Manchester University; Sydney Newton, Manchester University; Alex Sanchez, Manchester University (Marcie Coulter-Kern, Kelsey-Jo Kessie, Faculty Sponsor)

**60 The Influence of COVID-19 on College Students' Anxiety**

Lauren Eckert, Minnesota State University, Mankato (Emily Stark, Karla Lassonde, Faculty Sponsor)

**61 Careless Responding**

Ashlyn Carey, Wright state university; Nathan Bowling (Dr. Nathan Bowling, Faculty Sponsor)

**62 PSI CHI AWARD WINNER**

**Does Affirming Privileged Groups Make Them More Sympathetic to Outgroups' Explanations about Racism?**

Ellie Margason, Hope College; Zachary Wiggins, Hope College (Mary Inman, Faculty Sponsor)

We manipulated self-affirmation, the location of a contentious ghetto party, and the presence of why students of color were offended, to test if self-affirmation raised supportive feelings and attitudes towards anti-racism efforts. Results showed that overall sympathy toward the outgroup increased with self-affirmation.

**63 Existential Isolation and Reflected Appraisals**

Kear'A Bennett, University of Missouri-Columbia; Peter Helm, University of Missouri-Columbia (Peter Helm, Jamie Arndt, Faculty Sponsor)

**64 Cooperation and competition in board games**

Clara Kolinek, Andrews University; Karl Bailey, Andrews University (Karl G.D. Bailey, Faculty Sponsor)

**65 Comparison of Discrimination and Ostracism**

Anh Luu, Indiana University; Janelle Sherman, Indiana University; Dorainne Levy, Indiana University, Bloomington; Edward Hirt, Indiana University-Bloomington; Michael Bernstein, Penn State Abington; Tessa Benson-Greenwald, Indiana University (Dorainne Green, Edward Hirt, Mike Bernstein, Faculty Sponsor)

**66 Psychophysiological Consequences of Self Uncertainty**

Dana Benavides, Texas Tech University; Sarah Musa, Texas Tech University; Joshua Brown, Texas Tech University; Zachary Hohman, Texas Tech University (Zachary Hohman, Faculty Sponsor)

**67 Exploring sleep quality and its relation to GPA and personality**

Marit de Lau, Lindenwood University (Colleen Biri, Faculty Sponsor)

**68 How officer's gender and perpetrator's race affect perceived justification of police violence**

Josh Ponkauskas, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**69 Lovingkindness meditation versus mindfulness for implicit bias reduction toward LGBTQ+ individuals.**

Chelsea Cooley, University of Kansas; Josh Higgins, University of Kansas; Rachel Fisher (Anna Pope, Faculty Sponsor)

**70 The Impact of Physical Attractiveness on Interracial Relationships**

Jackelyn Castaneda, Northeastern Illinois University (Maureen Erber, Faculty Sponsor)

**71 Effects of Gender, Race, and Conservatism on Police Perceptions**

Brianna McVay, Campbellsville University; Kelly Overstreet; Hannah Wells, Campbellsville University (Craig Rogers, Faculty Sponsor)

**72 The Influence of Parent Characteristics on Implicit and Explicit Partner Preferences**

Taylor Clarke, Hope College; Jennifer Almquist, Hope College (Dr. Carrie Bredow, Faculty Sponsor)

**73 Self-esteem and feelings of guilt and shame in undergraduate college students**

Chelsea Puetz, St. Norbert College (Dr. Raquel Lopez, Faculty Sponsor)

**74 Attachment orientations and emotion regulation strategy use and effectiveness**

Clare Alexander, Miami University; Prit Patel, Miami University; Allison Farrell, Miami University

**75 Stress from Perceived Racism & Pregnancy**

Jessica Kelly, Coe College; Scout Kelly, Coe College

**76 The Effect of Mindfulness-Meditation on Perceived Stress and Sleep Quality**

Chiara Cocelli, Hillsdale College (Kari McArthur, Benjamin Winegard, Faculty Sponsor)

**Psi Chi Poster Session V**

Thu 12:00PM - 12:50PM

Upper Exhibit Hall

**1 PSI CHI AWARD WINNER**

**Criterion and incremental validity of the MMPI-3 impulsivity scale in college students**

Abigail Wille, John Carroll University; Audra Gerty, John Carroll University; Makenna Wilson, John Carroll University; Marie Pinzone, John Carroll University (Anthony Tarescavage, Faculty Sponsor)

This study examines the criterion validity of the MMPI-3 impulsivity scale and the incremental validity of the impulsivity scale over the preexisting disconstraint scale in a sample of college students. Our results indicate that the impulsivity scale is a valid addition to the MMPI-3, avoiding redundancy with the disconstraint scale

**2 Examining the relationship between personality disorder diagnostic labels and stigmatizing attitudes**

Emma Earles, Loras College (Kirstin Lauritsen, Faculty Sponsor)

### **3 Understanding the effects of trauma-related parent-focused behavioral health interventions**

Mary Reeves, University of Missouri; Jack Andrews, University of Missouri; Kristen Hawley, University of Missouri - Columbia (Kristin Hawley, Faculty Sponsor)

### **4 Body functionality intervention**

Ana Dunn, Kenyon College (Sarah Murnen, Faculty Sponsor)

### **5 Facilitation of eyewitness memory using masked faces**

Clarissa Van Dale, Saint Mary's University of Minnesota (Molly O'Connor, Faculty Sponsor)

### **6 Gender role conflict and conformity: A possible relationship with self-objectification and perfectionism**

Isabelle Lindahl, Saint Mary's University of Minnesota (Molly O'Connor, Faculty Sponsor)

### **7 The impact of COVID-19 related stressors on the mental health of adolescents**

Alexis Briggins, Central Michigan University (Dr. Sarah Domoff, Faculty Sponsor)

### **8 Normative beliefs about alcohol use and underage drinking**

Lydia Sargent, Augustana University (Benjamin Jeppsen, Faculty Sponsor)

### **9 Public perception of sexual paraphilias**

Justin Linville, Ball State University (George Gaither, Faculty Sponsor)

### **10 Anxiety, Emotional Regulation Strategies, and Creativity**

Rachna Iyer, University of Michigan; Dina Gohar, University of Michigan (Dina Gohar, Faculty Sponsor)

### **11 Psychometric evaluation of a battery of psychopathology measures for assessment of young adult college students**

Natalie Gase, John Carroll University; Izma Khaliq, John Carroll University; Jonathan Sandstrom, John Carroll University (Thomas Frazier, Faculty Sponsor)

**12 Sexual victimization, bisexual minority stress, and depression among bisexual women**

Kylie Goudy, Miami University; Selime Salim, Miami University; Terri Messman, Miami University (Terri Messman, Faculty Sponsor)

**13 The impact of ASD diagnostic disclosure, behavior severity, and knowledge on attitudes**

Jenna Bednar, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**14 Bipolar Disorder and Schizophrenia: A Comparison of Stigma Associated with Antipsychotics**

Hannah Gray, University of Indianapolis (Jordan Waldron, Faculty Sponsor)

**15 Predicting depression: Interrelated roles of life events from adolescence through emerging adulthood.**

Mohamad Khalaifa, Slippery Rock University; Jana Asher, Slippery Rock University; Jennifer Willford, Slippery Rock University (Jana Asher, Jennifer Willford, Faculty Sponsor)

**16 Does resting-state frontostriatal connectivity account for comorbidity between vulnerability to substance abuse and trait impulsivity?**

Arian Sorani, The Ohio State University; Samimy Shaadee; Theodore Beauchaine, University of Notre Dame (Theodore Beauchaine, Faculty Sponsor)

**17 What You Won't Do For Pleasure: Using PID-5, CAT-PD, and FI-FFM to Model the Relationship Between Anhedonia and Risk Taking**

Austin Wyman, University of Notre Dame; David Watson, University of Notre Dame; Claire Scott-Bacon, University of Notre Dame (David Watson, Faculty Sponsor)

**18 Exploring Sleep Quality in Undergraduate Students**

Lauren Yocum, Murray State University; Duncan Jordan, Murray State University (D. Gage Jordan, Faculty Sponsor)

**19 Relations Between COVID Stress and Eating Habits Among Youth During the COVID-19 Pandemic**

Destiny Onyese, Loyola University Chicago; Liz Rea, Loyola University Chicago; Hannah Hagy, Loyola University Chicago; Amy Bohnert, Loyola University Chicago (Amy Bohnert, Faculty Sponsor)

**20 The Effect of Religiosity on Mindfulness-Meditation and Physiological Outcomes**

Sarah Haught, Hillsdale College (Dr. Kari McArthur, Faculty Sponsor)

**21 Anger explains the relationship between sexual abuse and alcohol use**

Maxwell Katsikas, Miami University; Seth Wilensky (He/Him/His), Miami University; Lee Eshelman, University of Detroit Mercy; Terri Messman, Miami University (Terri Messman, Faculty Sponsor)

**22 Bidirectional associations between adjustment and academic achievement: Testing the adjustment erosion and academic incompetence hypotheses**

Abigail Stover, University of Dayton; Jackson Goodnight, University of Dayton (Jackson Goodnight, Faculty Sponsor)

**23 The impact of rejection sensitivity on the relationship between aggression and NSSI**

Katrina Vogel, University of Notre Dame; Brooke Ammerman, University of Notre Dame (Brooke Ammerman, Faculty Sponsor)

**24 "You just cry with them": Interpreters' experience of distress in pediatric medical encounters**

Josie Carballido, University of Wisconsin - Milwaukee; Paulina Lim, University of Wisconsin-Milwaukee; Amy Olen, University of Wisconsin - Milwaukee (W. Hobart Davies, Amy Olen, Faculty Sponsor)

**25 The Impact of Pretend Play on Positive Affect in Preschool-aged Children**

Kaitlyn Dodson, Southern Illinois University Carbondale; Emily Bartholomay, Southern Illinois University Carbondale; Karla K. Fehr, Southern Illinois University Carbondale; Meghan Littles, Southern Illinois University Carbondale (Emily M. Bartholomay, Meghan Littles, Karla K. Fehr, Faculty Sponsor)

**26 Political beliefs and relevant experiences predicting stigma against mental illness and substance abuse**

kathryn combs, Wittenberg University; sarah fortner; braxton hahn (Dr. Davis, Faculty Sponsor)

**27 Self-Report and Behavioral Measures of Anhedonia in Cocaine Use Disorder**

Maimuna Zafer, University of Illinois at Chicago; Jennifer Hoots, University of Illinois at Chicago (Margaret Wardle, Faculty Sponsor)

**28 Mental illness stigma: The impact of treatment seeking, treatment outcome, and target sex**

Sofia Deatherage, Creighton University; Charlie Maas, Creighton University; Kevin Mota; Mara Peppin, Creighton University (Thomas Budesheim, Faculty Sponsor)

**29 COVID-19's virtual world: Exploring the relationship between virtual interactions and psychopathy.**

Veronica Chavez, Northeastern Illinois University (Dr. Maureen Erber, Faculty Sponsor)

**30 Adverse Child Experiences, anxiety, and depression: how the correlations differ between men and women**

Adisyn Morgan, Southern Illinois University Edwardsville (Dr. Rose, Faculty Sponsor)

**31 Dyadic Aerobic Exercise as Treatment for Social Anxiety: A Randomized Control Trial**

Dylan Palmer, Hillsdale College (Kari McArthur, Benjamin Winegard, Faculty Sponsor)

**32 Implicit theories of relationships and perceptions of first kiss partners**

Victoria Quevedo, University of Minnesota Duluth; Mariah Ravet, University of Minnesota-Duluth; Ashley Thompson, University of Minnesota Duluth; Gavrielle Gunther, University of Minnesota Duluth (Ashley Thompson, Faculty Sponsor)

**33 An examination of student anxiety, stress, and sleep patterns during the COVID19 pandemic**

Grace Johnston, Augsburg University (Stacy Freiheit, Faculty Sponsor)

**34 Social Anxiety Disorder features moderate pandemic-related life quality changes.**

Gabriella Hirsch, Cleveland State University; Ilya Yaroslavsky, Cleveland



State University; Caitlin Tytler, Cleveland State University (Ilya Yaroslavsky, Faculty Sponsor)

**34 Does the mentoring program decrease externalizing behaviors?**

Melissa Lopez, Dominican University; Katherine Bellew, DePaul University; Aliyah White, Dominican University; Emily Feldman, DePaul University; Chantelle Miller, DePaul University (Kathryn Grant, Faculty Sponsor)

**36 The impact of early life adversity on neural and self-reported indices of emotion regulation**

Laurienna Kurucz, Ohio State University; Stephanie Gorka, Ohio State University; Kinh Luan Phan, Ohio State University (Stephanie Gorka, Faculty Sponsor)

**37 Constructing a short-form version of the Rutgers Alcohol Problem Index to be used in adolescent alcoholism development studies**

Adrienne Pyeatt, University of Missouri- Columbia; Kenneth Sher (Kenneth Sher, Faculty Sponsor)

**38 PSI CHI AWARD WINNER**

**The effect of age perceptions on perceived credibility of expert witnesses**

Alaina Helmerichs, North Central College (Liana Peter-Hagene, Faculty Sponsor)

Age discrimination in professional occupations might affect jurors' perceptions of expert witness credibility. A 2 (age: young vs. old) by 2 (occupation: computer vs. forensic science) between-subjects experimental study will test the effects of expert witness age and occupation on mock jurors' perceptions of expert credibility and verdicts.

**39 PSI CHI AWARD WINNER**

**The relationship between fear-induced aggression and belief in conspiracy theories with the effect of political affiliation**

Lydia Christian, Adrian College (Janet Pietrowski, Stacey Todaro, Faculty Sponsor)

The goal of current research is to determine whether fear-induced aggression has an impact on whether one will subscribe to conspiratorial beliefs with political affiliation as a moderating variable. It is hypothesized that inducing aggression within participants will increase conspiratorial beliefs and Republicans will have the highest scores of aggression.

**40 Gender and Personality Differences in Social Media Usage**

Neilla Janssen, Western Illinois University (Kristine Kelly, Faculty Sponsor)

**41 College Students' Perceptions of Drunkorexia Behavior**

Gabrielle Combs, Xavier University; Tessa Doan, Xavier University (Dalia Diab, Faculty Sponsor)

**42 Social media and its effect on people**

Emma Consiglio, Maryville University (Dustin Nadler, Faculty Sponsor)

**43 Effect of gender and label of autism spectrum disorder on employment likelihood**

Kiera Reilly, John Carroll University (John Yost, Faculty Sponsor)

**44 The influence of education and religiosity on the attitudes towards the use of puberty blockers**

Kelsey Moore, Columbia College (Gretchen Hendrickson, Faculty Sponsor)

**45 The changing self-esteem of LGBTQ+ college students after the COVID-19 pandemic**

Emily Hathcock, Baldwin Wallace University (Stephanie Rothman, Faculty Sponsor)

**46 Why campus sexual assault goes underreported: Investigating student trust**

Kirsten Dean, Central College (Randall A. Renstrom, Faculty Sponsor)

**47 Empathic embarrassment in males and females**

Maria Zimmerman, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**48 Impact of Exposure to Negative News Stories on Desensitization and Empathy**

Julianna Hefele, Truman State University; Audrey Allison, Truman State University; Ariyanna Johnson, Truman State University (Yuna Ferguson, Faculty Sponsor)

**49 Effects of occlusion from facial masks on facial emotion recognition**

Grace Roseen, Wartburg College (Andrea Eslick, Faculty Sponsor)

**50 Cancel Culture and Schadenfreude**

Hannah Abshire, Thomas More University; Kevin Pollard (Caitlin Powell, Faculty Sponsor)

**51 Student perceptions of police officer mental health**

Alexis Byrne, North Central College (Liana Peter-Hagene, Faculty Sponsor)

**52 The impact of non-academic activities on personality and life satisfaction**

Luke Slater, Taylor University; Laura McClelland, Taylor University; James Brads, Taylor University (Laura McClelland, Faculty Sponsor)

**53 Morality, negative awe, and the self in nature**

Antonio Lim, Miami University; Tyler Jacobs, Miami University; Allen McConnell, Miami University (Tyler Jacobs, Allen McConnell, Faculty Sponsor)

**54 The framing effect on perception of a sexualized female artist music video and the possible moderating effects of feminist attitudes and ideology.**

Chelsea Bruno, Adrian College (Janet Pietrowski, Stacey Todaro, Faculty Sponsor)

**55 Objects have no goals but utilities: Sexual subjectivity, a path for women to achieve their sexual goals and feel empowered without self-objectification.**

Alioska Patino, Carroll University; Kya Ohlson, Carroll University; Emma Newhouse, Carroll University; Abigail Riemer, Carroll University (Abigail Riemer, Faculty Sponsor)

**56 Perceptions of trust based on parenthood**

Allama Ikbal Sijan, Earlham College (Angel Munoz Gomez Andrade, Faculty Sponsor)

**57 Generation OnlyFans: the internalization of objectification in young adults**

Grace Sinclair, Murray State University (Gage Jordan, Faculty Sponsor)

**58 Defendant physiognomy and perceptions of guilt: The moderating effects of participant attitudes and implicit bias**

Aujanæ Eubanks, Minnesota State University Moorhead (Rochelle Bergstrom, Faculty Sponsor)

**59 Perceptions of Sexual Assault**

Margaret Grundy, Saint Louis University; Eyad Naseralla, Saint Louis University; Ruth Warner, Saint Louis University Department of Psychology (Ruth Warner, Faculty Sponsor)

**60 Person-First language and perceptions of recovery in addiction**

Veda Craig, Anderson University (Laura Stull, Faculty Sponsor)

**61 Who's in control? Role of desire for control in zapping.**

Lili Georges, DePaul University; Noor Arjmand, DePaul University; Devki Patel, DePaul University (Joseph Ferrari, Susan Markunas, Faculty Sponsor)

**62 Don't You Know That They're Toxic: Parasocial Attachments and Fictional Relationships**

Morgan Macke, Murray State University; Jana Hackathorn, Murray State University (Dr. Jana Hackathorn, Faculty Sponsor)

**63 Family Motivation as a Predictor of Desire to Attend College Among Minority Students**

Ellie Buebendorf, DePaul University; Daniel Hansen, DePaul University; Kennedy Cadichon, DePaul University; safa asad, DePaul University (Christine Reyna, Faculty Sponsor)

**64 The tunnel of oppression**

Elizabeth Kehoe, University of Kansas; Kristie Camp, University of Kansas; Lauryn Potts, University of Kansas; Rachel Fisher, University of Kansas; Aisha Khan University of Kansas (Anna Pope, Faculty Sponsor)

**65 The effectiveness of positive and negative persuasive appeals to take action against human trafficking**

Monica Hosler, Wittenberg University; Shannon Brown, Wittenberg University (William Davis, Faculty Sponsor)

**66 It's a big world not a small self: Awe's effects on self-perception**

Katelyn Mendenhall, University of Missouri, Columbia; Laura King, University of Missouri, Columbia; Megan Edwards, University of Missouri,

Columbia; Christopher Sanders, University of Missouri, Columbia (Laura King, Faculty Sponsor)

**67 Factors that influence school experiences of trust and fairness among LGBTQ+ youth**

Jaylen Bychowski, Loyola University Chicago; Yelyzaveta DiStefano, Loyola University Chicago; Yael Granot, Loyola University Chicago; Maryse Richards, Loyola University Chicago (Maryse Richards, Yael Granot, Faculty Sponsor)

**68 “I’m doing this for you”: Rationales for syllabus policies and their effects on perceptions of teacher empathy**

Breanna Ellis, Simpson College; Alaina Gerdes, Simpson College (Sal Meyers, Faculty Sponsor)

**69 The effects of challenge-threat framing on observers’ liking of anxious actors**

Aylea Mendoza; Jessica Muinos; Christopher Cockrell, Bradley University; Anthony Hermann, Bradley University (Anthony Hermann, Faculty Sponsor)

**70 A cultural mismatch for transfer students in higher education: Consequences for belonging and well-being?**

Sarah Aviles, Elmhurst University (Elizabeth A. Majka, Faculty Sponsor)

**71 College students' perception of their peers with chronic illnesses and/or disabilities**

Haley Sackman, Xavier University (Cindy Dulaney, Anne Fuller, Faculty Sponsor)

**72 Femininity, feminism, and body concerns: A meta-analysis**

Adrienne Kvaka, Kenyon College; Sarah K. Murnen, Kenyon College (Sarah Murnen, Faculty Sponsor)

**73 Diversity and Environmental Attitudes: Does Race Predict Recycling?**

Cecilia Giron, North Hennepin Community College (Eve Willadsen-Jensen, Faculty Sponsor)

## **Psi Chi Data Blitz Session I**

Thu 12:00PM - 1:15PM

Salon 02

Moderator: Lindsey M. Root Luna, Hope College

This series of 5-minute talks, each providing a quick overview of the specific research project, will offer a fast-paced tour through some of the most exciting undergraduate research submitted for this year's convention.

**12:00**

**PSI CHI AWARD WINNER**

### **Examining the Adultification of Black Girls From a Social Role Theory Perspective**

Lauren Pictor, Indiana University; Mansi Joshi, Indiana University; Amanda Diekman, Indiana University (Amanda Diekman, Faculty Sponsor)

Adultification suggests childlike innocence is not afforded to Black adolescents to the same extent as White adolescents (Epstein et al., 2017).

Across two studies, I examine the adultification bias and a potential mechanism for how adultification emerges among Black and White adolescent girls through a social role perspective.

**12:08**

**PSI CHI AWARD WINNER**

### **Gender, power, and money: Effects of money-gender stereotypes in social and professional domains**

Hannah Miller, Drake University Psychology Department; Alexandra Doughty, Drake University Psychology Department; Jack Standefer, Drake University Psychology Department; Callie Kulda, Drake University Psychology Department (Jill Allen, Faculty Sponsor)

To examine views of gender, power, and money in relationships undergraduate students were surveyed using a modified ambivalent sexism inventory scale. We predict intersectional groups valuing agency may endorse traditional money-gender stereotypes at a lower rate. Results of this study may help combat social stereotypes and increase career motivation

**12:16**

**PSI CHI AWARD WINNER**

### **The face of (im)morality: Unidentified atheist faces are perceived as immoral actors**

Lauren Dickens, Birmingham-Southern College; Maria Potts, Birmingham-Southern College; Shane Pitts, Birmingham-Southern College (Shane Pitts, Faculty Sponsor)

We show that unidentified atheists experience prejudice. 62 participants judged 50-pairs (one-Atheist-one-Christian) per trial of unlabeled faces as to

which face more likely committed immoral (murder) and non-moral acts (poor hygiene). Atheist faces were assigned to immoral acts more than non-moral. The pattern was reversed for Christian faces,  $p < .0001$ .

### **12:24 Developing inclusive norms for measures of sociosexuality and gender role conformity**

Emily Stanze, University of Wisconsin - River Falls; Tosh Allsopp, University of Wisconsin - River Falls (Travis Tubre, Faculty Sponsor)

Our study seeks to provide more inclusive norms for measures of sociosexuality and gender-role conformity commonly used in the sexuality and gender literatures. We are collecting data from large sample of LGBTQ+ participants to add to the current standardization samples that consist mostly of cisgender, straight-identifying participants.

### **12:32 Neuroticism and negative emotional reactions to COVID-19**

Logan Bradshaw, Ohio state university; Brittany Shoots-Reinhard, The Ohio State University (Dr. Brittany Shoots-Reinhard, Faculty Sponsor)

This study uses previous longitudinal data to explore how individuals high in neuroticism reinforce their negative affectivity during stressful events. We found greater effects of neuroticism on negative emotional reactions to COVID-19 as the pandemic unfolded and such emotional reactions may drive individuals to seek out additional negative information.

### **12:40 The Effects of Reason for Wrongful Conviction on Perceiver Stereotype Endorsement and Hiring Judgments**

Abigail Langeberg, University of Denver; Kevin Summers, University of Denver (Emily Paige Lloyd, Faculty Sponsor)

We investigate whether perceptions of exonerees based on the reason they were wrongfully convicted (i.e., false confession, eyewitness misidentification) affects endorsement of negative stereotype content (e.g., trustworthiness) and hiring-related judgments. Further, we test whether stereotype endorsement mediates the relationship between application condition (i.e., false confession, misidentification, control) and employment judgments.

### **12:48 Meaning of a Criminal Conviction**

Isabella Salerno, University of Missouri--Columbia; Christopher Sanders, University of Missouri, Columbia; Laura King, University of Missouri, Columbia (Laura King, Faculty Sponsor)

Participants ( $N = 366$ ) rated the perceived meaning in life and wellbeing of a target identified as having a criminal conviction (or not). Participant race and

target criminal status significantly predicted meaning in life ratings. In addition, life was rated as more satisfying for Black and noncriminal targets.

**12:56 Wrong for one and not the other: Analyzing perceived gender differences in moral beliefs**

Logan Nelson, Otterbein University; Michele Acker, Otterbein University (Michele Acker, Faculty Sponsor)

Although research has investigated gender differences in moral beliefs, it remains unclear how people perceive (or stereotype) gender differences in moral beliefs. The present study examined the accuracy of gender stereotypes about morality, their relationship to predictors such as Ambivalent Sexism, and their potential implications for moral judgments.

**1:04 The psychological costs of holding views with humility**

Matt Severino, Hope College; Sabrina Blank, Hope College; Yuki Kojima, Hope College; Kirsten Miskowski, Hope College (Daryl Van Tongeren, Faculty Sponsor)

Why do people hold beliefs so defensively? We investigated the role of existential humility on wellbeing. Our three part longitudinal study revealed that holding beliefs with humility predicts future lower religious wellbeing. These results indicate some psychological costs of humility and suggest a potential dark side of this virtue.

**Psi Chi Data Blitz Session II**

Thu 1:30PM – 2:45PM

Salon 02

Moderator: Jamie L. Bromley, Franklin College

This series of 5-minute talks, each providing a quick overview of the specific research project, will offer a fast-paced tour through some of the most exciting undergraduate research submitted for this year's convention.

**1:30 PSI CHI AWARD WINNER**

**A strengths-based perspective on coping strategies and wellbeing during COVID-19**

Olivia Chang, University of Michigan; Kaitlin Ward, University of Michigan School of Social Work; Shawna Lee, University of Michigan School of Social Work (Shawna Lee, Faculty Sponsor)

The present longitudinal study examined the relations between coping strategies and wellbeing among adults early in the COVID-19 pandemic. Our findings provide evidence that avoidant- and active-emotional coping were



associated with greater odds of anxiety, depression, and sleep problems, while problem-focused coping was associated with reduced odds of depression.

**1:38**

**PSI CHI AWARD WINNER**

**Protective factors for self-injury and suicide risk differ by ethnicities**

Maria Hernandez, Western Kentucky University; Caitlin Gregory, Western Kentucky University (Amy Brausch, Faculty Sponsor)

The goal of the present study was to examine the differential relationships between protective factors and both NSSI and suicide risk in White, Black, Asian, and Latino college students. All protective factors were significant for White participants, but protective factors were not universal for ethnic minority individuals.

**1:46**

**PSI CHI AWARD WINNER**

**Influence of athlete-status and weight concern on food- and body-related recall in females**

Marie Pinzone, John Carroll University (John Yost, Faculty Sponsor)

Athletes tend to pay attention to how they fuel their bodies; eating disorders tend to produce a memory bias for food- and body-related information.

Results show that high weight concern increases recall of food-related and body-related information in athletes relative to non-athletes, especially for snack items and negative body details.

**1:54 Interactive relations between parental education and rurality in predicting children's language performance**

Erin Connolly, University of Iowa; Isabel Goetz; Verona Victoria (Ece Demir-Lira, Haley Laughlin, Faculty Sponsor)

Children from advantaged socio-economic backgrounds present better language scores than their peers from disadvantaged backgrounds. However, majority of the literature focusing on SES-related discrepancies focused on urban populations. This study aimed to pinpoint how living in urban and rural areas interact with SES to predict children's language outcomes.

**2:02 Relations between executive function and snacking behaviors in youth during the COVID-19 pandemic**

Amrita Rehal, Loyola University Chicago; Liz Rea, Loyola University Chicago; Hannah Hagy, Loyola University Chicago; Amy Bohnert, Loyola University Chicago (Amy Bohnert, Faculty Sponsor)

Changes in routines caused by the COVID-19 pandemic may exacerbate risk for weight gain and obesity, particularly for youth with compromised executive function (EF). The present study found that youth with EF

problems engaged in unhealthier snacking behaviors. COVID-19-related stress did not moderate this relation, and further moderators are explored.

### **2:10 Characterizing the relationship between aesthetic judgments of auditory and visual stimuli**

Jessica Frame, Missouri University of Science and Technology; Aenne Brielmann; Amy Belfi, Missouri University of Science and Technology (Amy Belfi, Faculty Sponsor)

### **2:18 What's Impulsivity got to do with it?: Impulsivity and Cocaine Use Severity.**

Angela KariKari, The University of Illinois at Chicago (Margaret C. Wardle, Faculty Sponsor)

Impulsivity may be related to cocaine use, specifically frequency/quantity.

We hypothesized that there would be a relationship to the impacts on well-being as well. Our findings were partially consistent as Impulsivity did not relate to frequency/quantity of use, and only related to one of two measures of impact on well-being.

### **2:26 Effects of chronic alcohol consumption prior to traumatic brain injury on neurobehavioral and neuroinflammatory outcomes in the brains of rats**

Melissa Hatch, Nebraska Wesleyan University (Rachel Hayes, Elizabeth Freeman, Faculty Sponsor)

Traumatic brain injury (TBI) and chronic alcohol consumption are both major causes of death and disability. This study is assessing the role of chronic alcohol consumption prior to TBI on neurobehavioral and neuroinflammatory responses in rats. Results from this study will raise awareness and encourage research focused on novel therapies.



### **Psi Chi Awards Presentation and Reception**

Thursday, 3:30PM – 5:00PM

Adams

Moderators: Lindsey M. Root Luna, Hope College, Merry Sleigh, Winthrop University

#### **3:30 Psi Chi Research Awards Presentation and Reception**

Lindsey M. Root Luna, Hope College; Merry Sleigh, Winthrop University & the Psi Chi Midwestern Steering Committee: Sabrina Blank, Hope College; Jamie Bromley, Franklin College; Marcie Coulter-Kern, Manchester University; Erin Freiburger, Indiana University; Jonathan Hammersley, Western Illinois University; Staci Parker, Walden University

All Psi Chi students and faculty advisors are invited to come and enjoy some refreshments and to recognize the achievements of our student researchers.

Awards will be presented at 4:00pm.

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## Psi Chi Poster Session VI

Fri 8:30AM – 9:20AM

Upper Exhibit Hall

### **1 Can evaluative mindsets protect from misinformation presented on social media?**

Claire Mason, Northwestern University; Nikita Salovich, Northwestern University; David Rapp, Northwestern University (David Rapp, Faculty Sponsor)

### **2 PSI CHI AWARD WINNER**

#### **The face of a pandemic: How facial coverings influence facial recognition, expression recognition, and ratings of attractiveness**

Alison Stangler, University of Wisconsin La Crosse; Andrina Savor, University of Wisconsin La Crosse (Alexander O'Brien, Faculty Sponsor)  
Face masks have become commonplace as a result of the COVID-19 pandemic. This research explores the influence of masks on facial recognition, expression recognition, and perceived attractiveness. Results have implications for non-verbal communication, interpersonal relationships, and the amelioration of implicit biases resulting from the halo effect.

### **3 Risk-taking as a function of goal orientation and approach focus and factors that influence risky decision-making**

Mariah Houtcooper, Dakota Wesleyan University (Anne Kelly, Faculty Sponsor)

### **4 Implications of a Restorative Break: An Exploratory Study on Operational Relevance**

McKenna McKay, Texas Tech University; Alexander Brito, Texas Tech University; Destiny Taylor, Texas Tech University; Brittany Neilson, Texas Tech University; Martina Klein, Texas Tech University (Martina I. Klein, Faculty Sponsor)

### **5 Empirical Assessment of Imaginative Resistance**

Grace Kennedy, Denison University; David Miller, Denison University; Hannah Morton, Denison University; Sylvia Phillips, Denison University;

Linxi Shen; Seth Chin-Parker, Denison University (seth chin-parker, Faculty Sponsor)

**6 (Un)Believable!: The effects of evidence and sources on health claim believability**

Noah Lunsford, Birmingham-Southern College; Sam Cortez, Birmingham-Southern College; Colette Crowder; Elijah Schwartzkopf; Emma Grace Boissel; Shane Pitts, Birmingham-Southern College (Shane Pitts, Faculty Sponsor)

**7 PSI CHI AWARD WINNER**

**Visual stimuli influence the magnitude of the auditory looming bias**

Maggie McCracken, The College of Wooster (John Neuhoff, Faculty Sponsor)

This study explores how looming and receding visuals influence the magnitude of loudness change for coincident sounds. In two experiments, loudness change estimates were influenced by receding visual stimuli but not looming. The auditory looming bias was replicated as looming sounds were perceived to change more than equivalent receding sounds.

**8 Creativity and gender: Would a more “creative” characterization of gender identity allow for better prediction?**

Jessica Seal, University of St Thomas (Greg Robinson-Riegler, Faculty Sponsor)

**9 How curiosity and attachment drive decision-making: A simulated experience**

Rachael Danielson, Central College (Shelby Messerschmitt-Coen, Faculty Sponsor)

**10 Remembering Imaginative Experiences: Imagining Events and Their Relationship to Memory**

Hannah Morton, Denison University; Seth Chin-Parker, Denison University (Seth Chin-Parker, Faculty Sponsor)

**11 Essential Oils and Memory Function**

Sophie Dahn, Ashland University (Mitchell Metzger, Faculty Sponsor)

**12 Writing at Home: Distractions and Writing Processes in a Remote Environment**

Hunter Grunwell, Saginaw Valley State University; Gracie Snyder, Saginaw Valley State University; Katherine Bess, Saginaw Valley State University; Chad Pocock, Saginaw Valley State University; Cambria Ball (Julie Lynch, Faculty Sponsor)

### **13 Impact of wakeful rest on memory retention**

Daniela Parra, University of Notre Dame; Gabriel Radvansky, University of Notre Dame (Gabriel A. Radvansky, Faculty Sponsor)

### **14 Putting a new spin on things: Examining the effectiveness of fidget toys on improving attentional task performance**

Aubree Smith, Lewis University; Philip Blankenship, Lewis University (Dr. Philip Blankenship, Faculty Sponsor)

### **15 Reading retention across paper, computer, and smartphone modalities in college students**

Jeffrey Flinchem, Augustana College; Mary Clare Koebel, Augustana College; Nathanael Doyle, Augustana College (Megan G. Lorenz, Faculty Sponsor)

### **16 Temptations of a remote learner: How university students are adjusting to distance learning**

Taylor Miller, Kent State University (Christopher Was, Faculty Sponsor)

### **17 Athlete or object? The influence of perceived objectification on body image and eating disorder symptoms of collegiate sportswomen**

Allison Grady, North Central College (Leila Azarbad, Faculty Sponsor)

### **18 Think and you'll miss it: Magical misdirection through humor**

Tailyn Ludwiczak, Carthage College; Ashley Lundell, Carthage College; Bennett Shebesta, Carthage College (Anthony Barnhart, Faculty Sponsor)

### **19 Mindfulness and Memory**

Linnea Milner, University of Wisconsin River-Falls; Linnea Milner, University of Wisconsin River-Falls; Abigail Jackson, University of Wisconsin River-Falls (Abigail Jackson, Faculty Sponsor)

### **20 Exploring the Relationship between Creativity and Dimensions of Religiosity**

Isaiah King, Murray State University (Patrick Cushen, Faculty Sponsor)

**21 Effects of environmental exposure duration on affordance perception**

Allie Carmichael, Butler University; Hillary Reed, Butler University; Kylie Stickel, Butler University (Brian Day, Faculty Sponsor)

**22 The Mindful Mind: Dispositional Mindfulness Predicts Neural Dynamics of Response Inhibition**

Samuel Molitor, University of Wisconsin - Green Bay; Destany Calma-Birling, University of Wisconsin Oshkosh; Jason Cowell, University of Wisconsin- Green Bay (Jason Cowell, Faculty Sponsor)

**23 The effects of artificial perceptual grouping of words on memory retrieval**

Haeyn Lim, Earlham College (Angel Muñoz Gómez Andrade, Faculty Sponsor)

**24 Distracted, Stressed, and Confused: The combined effects of distraction and stress on memory retention**

Morgan Lemacks; Luke Burtnett; Stacey Barrett; Katlyn Vaalburg; McKenna Fowler; Taylor Seals; Chao Liu, Cedarville.edu (Chao Liu, Faculty Sponsor)

**25 Stopping Stress in its Tracks: How Reappraisal of Stress Effects Self-Reported Stress Levels**

Evan Gray, College of DuPage; Yuechen Wang, College of Dupage; Mark Zatloukal, College of DuPage; Bill Matwij, College of DuPage; Jeffrey Erl, College of DuPage; Gabriella Rothschild, College of DuPage (Elizabeth Arnott-Hill, Or'Shaundra Benson, Sarah Butler, Maureen Gray, Faculty Sponsor)

**26 Factors Affecting Utilitarian Decision-Making in Trolley Problems and other Moral Dilemmas**

Carson Goerlitz, Missouri Western State University (Teddi Deka, Faculty Sponsor)

**27 Other peoples' decisions: The effects of external cues on metacognitive confidence.**

Elie Starfeldt, South Dakota State University (Tyler Miller, Faculty Sponsor)

**28 Parental perceptions of child's ability — effects on mutually responsive relationship**

Maggie Landherr, University of Iowa; Ece Demir-Lira, University of Iowa;

Eden Conroy, University of Iowa; Haley Laughlin, University of Iowa (Ece Demir-Lira, Haley Laughlin, Faculty Sponsor)

**29 The moderation of depression history on coping motives and drinking outcomes in young adults**

Devon Terry, University of Missouri - Columbia; Thomas Piasecki, University of Wisconsin - Madison; Bruce Bartholow, University of Missouri-Columbia (Thomas Piasecki, Bruce Bartholow, Nicole Campione-Barr, Faculty Sponsor)

**30 Components of executive function as predictors of youth mental health during COVID-19**

Olivia Chang, University of Michigan; Cara Tomaso, University of Nebraska-Lincoln; Timothy Nelson, University of Nebraska-Lincoln (Timothy D. Nelson, Faculty Sponsor)

**31 Stop and read the sign: Age related visual fixation in an art gallery**

Alex Wright, Centre College; Kennedy Cline, Centre College; Jaden Johnson, Centre College; Cameron Coulter, Centre College (Drew M Morris, Faculty Sponsor)

**32 The effect of musical expertise on implicit learning**

Jennifer Eng, University of Illinois at Chicago; Tricia A. Guerrero, University of Illinois at Chicago (Jennifer Wiley, Faculty Sponsor)

**33 Perceived closeness in insight and analysis based problem solving across an incubation period.**

Sean Connolly, The University of Notre Dame; Kristin Sanders, University of Notre Dame; Jessica Payne, University of Notre Dame (Kristin Sanders, Jessica Payne, Faculty Sponsor)

**34 Child's exposure to activities - influence on mutually responsiveness orientation**

Eden Conroy, University of Iowa; Ece Demir-Lira, University of Iowa; Haley Laughlin, University of Iowa; Maggie Landherr, University of Iowa (Ece Demir-Lira, Haley Laughlin, Faculty Sponsor)

**35 Retrospective Revaluation Effects During Interpersonal Attributions**

Jo Cassella, University of Missouri - Columbia; Todd R. Schachtman, University of Missouri, Columbia (Todd Schachtman, Faculty Sponsor)



**36 Influence of targeted memory reactivation on memory reorganization and problem solving**

Mary Polking, University of Notre Dame; Kristin Sanders, University of Notre Dame; Jessica Payne, University of Notre Dame (Jessica Payne, Faculty Sponsor)

**37 Individual Differences in the Acquisition and Reacquisition of Rubik's Cube Skill**

Alexandra Vogen, Southern Illinois University Edwardsville; Mckenna Anderson; Tyler Balfour, Southern Illinois University Edwardsville; Gabrielle Lewis, Southern Illinois University Edwardsville; Rianna Roush, Southern Illinois University Edwardsville; Angel White, Southern Illinois University Edwardsville; Dasmin Whitted, Southern Illinois University Edwardsville; Jayla Williams, Southern Illinois University Edwardsville (Elizabeth Mainz, Faculty Sponsor)

**38 Memory for brands and brand attitudes as functions of audience engagement and arousal**

Zachary Besler, Dakota Wesleyan University (Anne Kelly, Faculty Sponsor)

**39 Effects of auditory stimuli on attention in visual search**

Ashley Harkins, Missouri University of Science & Technology; Devin Burns, Missouri University of Science & Technology (Devin Burns, Faculty Sponsor)

**40 Workload and Performance Assessment in Online vs Face-to-Face Classrooms**

Elizabeth Paul, Otterbein University; Cynthia Laurie-Rose, Otterbein University (Cynthia Laurie-Rose, Faculty Sponsor)

**41 Meaning is Not Boring: How Reappraisal of Boredom Effects Self-Reported Re-Engagement, Focus, and Performance**

Bill Matwij, College of DuPage; Yuechen Wang, College of Dupage; Evan Gray, College of DuPage; Jacqueline Horton, College of DuPage; Mark Zatloukal, College of DuPage; Jeffrey Erl, College of DuPage (Maureen Gray, Or'Shaundra Benson, Elizabeth Arnott-Hill, Faculty Sponsor)

**42 The effect of TikTok on time perception**

Abigail Rodriguez, Baldwin Wallace University (Stephanie Rothman, Faculty Sponsor)

**43 Awe increases susceptibility to the formation of false memories**

Anthony Ortigoza, Carthage College; Anthony Barnhart, Carthage College; Alexis Groszofsky, Beloit College; Kateryna Sylaska, Carthage College; Leslie Cameron, Carthage College (Anthony Barnhart, Faculty Sponsor)

**44 The effect of prosody and referent animacy on novel noun learning**

Jarrett Rardon, The Ohio State University; Julie M. Hupp, Ohio State Newark; Melissa K. Jungers, Ohio State Newark (Julie M. Hupp, Melissa K. Jungers, Faculty Sponsor)

**45 Fan Favorites: The power of viewers' film genre preferences and knowledge on attentional selection**

Isabella Hubbell, Kansas State University; Taylor Simonson, Kansas State University; Les Loschky, Kansas State University (Lester Loschky, Taylor Simonson, Faculty Sponsor)

**46 Exploring Art Hives: Implications of virtual art studio communities on affect**

Alyssa Moore, Southern Illinois University Edwardsville (Eunyoe Ro, Shelly Goebel-Parker, Faculty Sponsor)

**47 Does the Category of Taboo Language Impact the Offensiveness Rating of Religious and Non-religious Individuals?**

Noah Gomez, Central College; Ryan Roberts; Colton Yount (Ashley Jean Scolaro, Faculty Sponsor)

**48 When to outsource: the impact of the generation effect on map route recall.**

Aaron Ossino, University of Nebraska at Omaha; Cheyenne Weis, University of Nebraska at Omaha (Dr. Beth Lyon, Faculty Sponsor)

**49 The Relationship Between Self-Isolation & Self-Motivation During the COVID-19 Pandemic**

Jack Swanson, Baldwin Wallace University (Chuck Levin, Faculty Sponsor)

**50 Coping through creativity: motivation for creative activities during COVID-19**

Abigail Emerson, Murray State University; Patrick Cushen, Murray State University (Patrick Cushen, Faculty Sponsor)

**51 The impact of social presence via Zoom on working memory**

Haley Gniadek, University of Missouri-Columbia; Nelson Cowan, University of Missouri; Dominic Guitard, Universite de Moncton (Nelson Cowan, Faculty Sponsor)

**52 Assessing the Ongoing Effects of COVID-19: Examining Changes to Student Motivation and Volition**

Kaitlyn Warakomski, Kent State University (Chris Was, Faculty Sponsor)

**53 The effect of encoding and test modalities on foreign language vocabulary learning**

Marie Pinzone, John Carroll University (Angela Canda, Faculty Sponsor)

**54 The Effect of Destressing Techniques and Personality on Performance of Cognitive Tasks**

Isabella Nuck, University of Wisconsin Parkside; Edward Bowden, University of Wisconsin-Parkside (Edward Bowden, Faculty Sponsor)

**55 The Connection Between Coping Styles and Impulsivity**

Kyra Collins, Andrews University; Harvey Burnett, Andrews University (Harvey Burnett, Faculty Sponsor)

**56 Diagnostic Featural Detection or Filler Siphoning: A Redbox Study**

Brynn Schuetter, University of Arkansas; Amber Giacona, University of Arkansas (James M. Lampinen, Faculty Sponsor)

**57 How a specific study environment effects the quality of focus?**

Tyler Hudson, Manchester University (Marcie Coulter-Kern, Faculty Sponsor)

**58 Multisensory processing with semantic congruency.**

Sheroz Faisal, Ohio State University; Susan Geffen, Occidental College; Chris Robinson, The Ohio State University (Christopher W. Robinson, Faculty Sponsor)

**59 Openness to experience and aesthetic preferences**

Everett Payton, University of Toledo; Stephen Christman, University of Toledo; Dingzhong Hu (Stephen Christman, Faculty Sponsor)

**60 Language Comprehension Under a Working Memory Load in Children**

Kendra Mehl, University of Missouri- Columbia; Nelson Cowan, University of Missouri; Eryn Adams (Nelson Cowan, Eryn Adams, Faculty Sponsor)

**61 Examining the effect of question phrasing on memory for fact-checks**

Malak Elmessiry, Vanderbilt University; Raunak Pillai, Vanderbilt University; Sarah Brown-Schmidt, Vanderbilt University; Lisa Fazio, Vanderbilt University (Lisa Fazio, Faculty Sponsor)

**62 Effects of Peripheral Blood Thyroid Hormone Levels of Non-Suicidal Self-Injury and Suicide Attempts in Major Depressive Disorder Adolescents**

Mingsheng Li, Denison University; Sun Wangdi, Zhejiang Chinese Medical University (Enyan Yu, Faculty Sponsor)

**63 Associations between language functioning and social skills in youth with spina bifida.**

Eva Darow, Loyola University of Chicago; Allison del Castillo, Loyola University of Chicago; Grayson N. Holmbeck, Loyola University of Chicago (Grayson Holmbeck, Faculty Sponsor)

**64 PSI CHI AWARD WINNER**

**Variations in life narratives and psychological well-being**

Clare McDonald, St. Olaf College; Rhea Alley, St. Olaf College (Grace Cho, Faculty Sponsor)

Our study examined the ways young adults constructed their life narratives, or told stories about meaningful events in their lives, and their implications for psychological well-being. We found that greater contamination sequences, negative emotion-talk, and negative self-event connections in narratives were linked to decreased self-esteem and other maladaptive consequences.

**65 Does the Apple Really Fall Far From the Tree; Childhood Trauma and its Link to Disrupted Social Connection**

Cyla Vos, Millikin University (Linda Collinsworth, Faculty Sponsor)

**66 Evaluating the Relationships Between Coping and Substance Use Among College Students**

Bryce Platt, Loras College; Clare Brunn, Loras College; Tyler Frost, Loras College; Colleen McShea (Kirstin Lauritsen, Faculty Sponsor)

**67 Can pre-therapy exercise enhance the working alliance in clients with depression?**

Julia Slocum, Iowa State University; Jeni Lansing, Iowa State University; Seana Perkins, Iowa State University; Nathaniel Wade, Iowa State University (Jacob Meyer, Faculty Sponsor)

**68 Consistency of Communication Outside of Mentoring Sessions and the Self-Esteem of Youth Participating in After School Mentorship Programs**

Patrick Bogusz, DePaul University; Francis Matias, DePaul University; Emily Feldman, DePaul University; Chantelle Miller, DePaul University (Dr. Kathryn Grant, Faculty Sponsor)

**69 Heart rate variability and experiential avoidance in cocaine use disorder**

Morgan Pearlman, University of Illinois at Chicago; Cecilia Nunez, University of Illinois at Chicago (Margaret Wardle, Faculty Sponsor)

**70 Propranolol treatment of infantile hemangioma and risk of subsequent ADHD incidence in middle childhood**

Megan Carey, University of Missouri, Columbia; Amy Costa, University of Missouri - Columbia; David Beversdorf, University of Missouri - Columbia; Jonathan Dyer, University of Missouri-Columbia (David Beversdorf, Faculty Sponsor)

**Psi Chi Data Blitz Session III**

Fri 9:00AM - 10:15AM

Salon 02

Moderator: Marcie Coulter-Kern, Manchester University

This series of 5-minute talks, each providing a quick overview of the specific research project, will offer a fast-paced tour through some of the most exciting undergraduate research submitted for this year's convention.

**9:00 PSI CHI AWARD WINNER**

**Impacts of gender, birth order, and family structure on the association between adolescent disclosure to parents and youth risky behaviors.**

Annord Kismet Okyere, University of Missouri; Yue Guo, University of Missouri-Columbia; Maria Victoria Aceves-Power, University of Missouri (Nicole Campione-Barr, Faculty Sponsor)

This study examined youth and family factors that impact the association between adolescents' disclosure to parents and their likelihood of engaging in risky behaviors. Findings suggest that intact families increases adolescent disclosure which in turn decreases the engagement in risky behavior. Also, daughters' disclosure to fathers was particularly protective.

**9:08 PSI CHI AWARD WINNER**

**Sleep and cognition in undergraduate students**

Anna Johnson, Nebraska Wesleyan University (Elizabeth Freeman, Faculty Sponsor)

The relationship of chronotype and social jetlag to attentional deficits is examined in undergraduates. It is expected that late chronotypes and individuals experiencing social jetlag will exhibit significant attentional deficits. These deficits are expected to be especially salient in late chronotypes who are experiencing social jetlag.

**9:16 PSI CHI AWARD WINNER**

**Diversity courses and how they affect student perceptions**

Malika Dahal, Northwest Missouri State University (Bradlee W. Gamblin, Faculty Sponsor)

There are many diversity courses in psychology aiming to reduce prejudice and raise awareness, but there is a lack of quantitative data testing their effectiveness. In this research project, we used a pretest-posttest within subjects design to see if students' prejudice decreases after taking such a course.

**9:24 The Effect of a Tablet and Smart Pencil Method on Recognition Task Performance Compared to Current Notetaking Tools**

Brendan Valentine, Central Michigan University (Hajime Otani, Christopher Davoli, Faculty Sponsor)

Laptop use in classrooms has been rising in recent years, with debate over their effectiveness as a notetaking tool. This study examines differences in recognition memory after encoding using laptop, tablet with smart pencil, and handwritten notetaking methods and finds there is a minimal difference between methods.

**9:40 Inner workings of inner speech and mental health**

Mikayla McKinney, Columbia College (Gretchen Hendrickson, Faculty Sponsor)

In a time where humans are isolating and thinking to themselves, understanding the relationship between categorizes of inner speech and self-

regulation is critical. The findings of the study demonstrate the important correlation between an individual's inner speech and their likelihood to experience anxiety, depression, and problems with self-esteem.

### **Psi Chi Symposium IV**

Fri 9:30AM – 10:20AM

Salon 09

#### **9:30 What Skills Do Employers Seek in Baccalaureate Graduates During Covid?**

Paul I. Hettich, DePaul University

We summarize psychology major characteristics, dimensions of job satisfaction, and major effects of the pandemic and The Great Resignation on the labor force. The skills employers seek are identified from The Skillful Psychology Student, NACE's Job Outlook 2022, APA/Emsi data of skills psychology baccalaureates use, and reports from hiring managers.

### **Psi Chi Poster Session VII**

Fri 9:30AM – 10:20AM

Upper Exhibit Hall

#### **1 Cultural and personality influences on customer conflict success**

Elena Hurley, University of Wisconsin - Green Bay; Kelsi Engelhardt, University of Wisconsin-Green Bay; Harrison Thiry, University of Wisconsin-Green Bay; Kyle VandeVenter, University of Wisconsin - Green Bay; Farhiya Muhidin, university of Wisconsin Green Bay (Allen Huffcutt, Faculty Sponsor)

#### **2 Intersectional social class and gender stereotypes**

Drew Klinepeter-Persing, Indiana University; Andrew White, Indiana University (Amanda Diekman, Faculty Sponsor)

#### **3 Picture Perfect: How gender and race influence donating to a domestic violence charity**

Ashley Sanders, Aurora University (Renae Franiuk, Faculty Sponsor)

#### **4 The Role of Autonomy Supportive Environments and Online Platforms Relating to Coming Out Among LGBTQ Individuals**

Alexis Jackson, Indiana University Kokomo (Kathryn Holcomb, Faculty Sponsor)

## **5 What Types of Conversations Do People Find Satisfying?**

Rachel Whaley, Truman State University; Morgan Ireland, Truman State University; Claire Parson; Lydia Helfrich, Truman State University (Jeffrey Vittengl, Faculty Sponsor)

## **6 Does Endorsement of Honor Values Decrease the Likelihood of Forgiving?**

Kylie Grant, Iowa State University; Vanessa Castillo, Iowa State University; Susan Cross, Iowa State University; Henry Lopez, Iowa State University (Susan Cross, Faculty Sponsor)

## **7 Police expertise in use-of-force rapid decision making**

Sophie Rasof, Lake Forest College; Isabel Krupica, Lake Forest College (Vivian Ta, Faculty Sponsor)

## **8 Meditation and self-enhancement**

Shahnawaz Towheed, Queen's University; Jill A. Jacobson, Queen's University (Jill Jacobson, Faculty Sponsor)

## **9 Overthinking: a student perspective**

Katherine Speak, Truman State University; Annie Schwend, Truman State University; Connor Firth, Truman State University; Nate Aldrich, Truman State University; Emelia Durham, Truman State University; Norah Kovac, Truman State University; Jordan Clement, Truman State University

## **10 The exclusion of gender minorities in psychology of prayer research**

Hannah Hegstad, Augustana University; Jose Angel Cruz Medina, Augustana University; Benjamin Jeppsen, Augustana University; Regina Brunz, Augustana University (Ben Jeppsen, Faculty Sponsor)

## **11 Threat vigilance and God: The role of religious experience**

Madison Dillerud, Bradley University; Lane Beckes, Bradley University (Lane Beckes, Faculty Sponsor)

## **12 The familial and individual experiences of multicultural individuals**

Jasmine Neal, Murray State University (Esther Malm, Faculty Sponsor)

## **13 An examination of the relationship between Conspiracy Theory belief, Political Identity, and Gullibility**

Jonathan Doriscar, Knox College; Kathryn Anderson, Knox College; Maddie



Tucker, Knox College; Patricia Xi, Knox College; John Brent (Patricia Xi, Faculty Sponsor)

**14 Implications of IAC: How interattitudinal consistency can inform attitude change.**

Mark Harmon, Iowa State University (Kevin Blankenship, Faculty Sponsor)

**15 The Effects of Self-Esteem and Generation on the Selfie-Posting Frequency of Grandiose Exhibitionists Narcissists**

Michelle Solis, Nebraska Wesleyan University (Abigail Mitchell, Rachel Hayes, Faculty Sponsor)

**16 Priming pain expression intensity influences intent to seek physical healthcare**

Zachary Vangelisti, University of Denver (Paige Lloyd, Faculty Sponsor)

**17 Can Meditation Reduce the Fundamental Attribution Error?: Comparing Mindfulness vs. Sound Meditation**

Lucia Rodriguez-Nelson, DePaul University; Jessica Chackoria, DePaul University; Nazia Khan, DePaul University; Himali Bhandari, DePaul University; Ralph Erber, DePaul University (Ralph Erber, Jane Halpert, Faculty Sponsor)

**18 Examining The Dream: Racial Climate on College Campus**

Jasimine Ash, Millikin University; Nancy Masimbi, Millikin University; Diane Ineza (Linda Collinsworth, Faculty Sponsor)

**19 Media's Effect on Attitudes Towards Individuals with Disordered Eating**

Sarah Ingalls, Central College (Dr. Shelby Messerschmitt-Coen, Faculty Sponsor)

**20 The impact of priming on judgments people make about personality characteristics as a function of history of drug use, gender, and race.**

Maxwell Evans, Dakota Wesleyan University (Anne Kelly, Faculty Sponsor)

**21 Is educational status relevant? Meaningfulness in social zapping**

Noor Arjmand, DePaul University; Lili Georges, DePaul University; Devki Patel, DePaul University (Joseph Ferrari, Susan Markunas, Faculty Sponsor)

**22 Effects of COVID Information on Mental and Physical Well-Being**

Jon Zohlmann, Central College (Randall A. Renstrom, Faculty Sponsor)

**23 Brief Report: Exploring the impact of psychological body armor™ resilience, adverse childhood experiences and parental caring on academic self-efficacy and apathy among college students**

Myrnaliza Tan, Andrews University; Kayla - Hope Bruno, Andrews University (Harvey Burnett, Faculty Sponsor)

**24 Making political conversations more productive**

MaKenzie Munson, University of St. Francis; Skyler Safi, University of St. Francis (Brady Jones, Faculty Sponsor)

**25 Adolescent perceptions of older populations**

Sarah Fisher, Ashland University; Diane Bonfiglio, Ashland University; Christopher R. Chartier, Ashland University (Christopher Chartier, Diane Bonfiglio, Faculty Sponsor)

**26 Student perception of inclusivity in teaching and learning and its relationship to locus of control, sense of belonging, sense of safety, and self-efficacy**

Jozy Bardsley, Dakota Wesleyan University (Anne Kelly, Faculty Sponsor)

**27 The role of academic support staff in supporting students of different gender, personality type, and attachment styles in college**

Elise Linz, Maryville University of Saint Louis (Dr. Dustin Nadler, Faculty Sponsor)

**28 Impact of hormone replacement therapy on gender non-conforming individuals well-being.**

Rachel Kolb, Loyola University Chicago (Scott Leon, Byron Brooks, Faculty Sponsor)

**29 Assessing stakeholder attitudes on prioritization of behavioral health and social determinants of health policies**

Ngoc Vuong, Wichita State University (Nikki Keene Woods, Faculty Sponsor)

**30 Person-First vs. Identity-First: Does Language Matter?**

Regan Baney, SUNY Buffalo State; Jill Norvilitis, SUNY Buffalo State (Jill Norvilitis, Faculty Sponsor)

**31 Interrelations between alcohol and cannabis use, COVID anxiety, social support, and mindfulness**

Michelle Duong, Southern Illinois University Edwardsville (Laura Pawlow, Dan Segrist, Jason Finley, Faculty Sponsor)

**32 A quantitative study of restraint practices in clinical psychiatry**

Bryant Heckart, Missouri Southern State University (Anthony Adamopoulos, Holly Hackett, Faculty Sponsor)

**33 Let's Eat: Perfectionism, Social Media and Problematic Eating Behaviors**

Rachel Way, University of Wisconsin La Crosse; Emily Veroveen, University of Wisconsin- La Crosse (Bianca Basten, Faculty Sponsor)

**34 The effects of trait anxiety on empathic concern; an event related potential study**

Karsten Cowan, University of Wisconsin-Green Bay; Jason Cowell, University of Wisconsin- Green Bay (Jason Cowell, Faculty Sponsor)

**35 So Mush Room to Grow: Efficacy of Psychedelic-Assisted Psychotherapy to Treat Anorexia Nervosa by Increasing Psychological Flexibility**

Amber Stuedell, Macalester College (Piercarlo Valdesolo, Faculty Sponsor)

**36 "Going All The Way": The Relationship Between Age of First Intercourse and Self-Esteem**

Cameron Walsh, Baldwin Wallace University (Dr. Charles Levin, Faculty Sponsor)

**37 Evaluating the relationship between boredom and substance use among college students**

Clare Brunn, Loras College; Bryce Platt, Loras College; Tyler Frost, Loras College; Colleen McShea (Kirstin Lauritsen, Faculty Sponsor)

**38 Monitoring and acceptance mindfulness as an anxiety intervention for college students**

Hannah Young, Denison University; Evelyn Waters, Denison University; Folly Folivi, Denison University (Dr. Erin Henshaw, Faculty Sponsor)

**39 Effect of expressive writing on stress and working memory among college students**

Margaret Rogan, Denison University; John Faller, Denison University; Diana Khademi, Denison University; Samantha Crane, Denison University (Erin Henshaw, Faculty Sponsor)

**40 Do caregiving style and adverse childhood experiences play a role in disordered eating among college students?**

Abigail McCarthy, University of Cincinnati (Cathleen Odar Stough, Faculty Sponsor)

**41 Ideas about Individuals Who Use Drugs**

Katie Huber, University of Indianapolis (Jordan Sparks Waldron, Faculty Sponsor)

**42 Exploring Presence of Striatal Dopamine Through Sensitivity to Feedback**

Lauren Wyatt, University of Missouri - Columbia; John Kerns, University of Missouri - Columbia (John Kerns, Faculty Sponsor)

**43 Associations Between Adverse Childhood Experiences and Relationship Satisfaction, Mental Health, and Academic Confidence in Adulthood**

Emma Parker, Otterbein University; Meredith Meyer, Otterbein University (Michele Acker, Faculty Sponsor)

**44**

**PSI CHI AWARD WINNER**

**Environmental attitudes and the impact of positive and negative imagery**

Alyssa Rodway, Carthage College (Kateryna Sylaska, Faculty Sponsor)

This experiment explores the impacts of optimistically or pessimistically framed-environmental videos (compared to a control) on pro-environmental behavior (a) immediately, and (b) following a one-week delay, using the theory of planned behavior as a guiding framework for measuring predictors of pro-environmental behavior.

**45 Mask mandates are a must!: Individual differences in social avoidance predict individuals use of masks to avoid social interactions**

MacKenzie Grenko, Simspon College (Amanda Martens, Faculty Sponsor)

**46 Do we belong together? Single or partnered with social zapping.**

Hetal Patel, DePaul University/ University of Illinois at Chicago; Devki Patel, DePaul University; Noor Arjmand, DePaul University (Joesph R. Ferrari, Susan Markunas, Faculty Sponsor)

**47 An exploration of unsolicited sexually explicit images and messages**

Kelsi Engelhardt, University of Wisconsin-Green Bay (Ryan Martin, Faculty Sponsor)

**48 The association between the relationship status of one's biological parents and relationship destiny/growth beliefs: An application of Implicit Theories of Relationships**

Rachel Willhite, University of Minnesota Duluth (Ashley Thompson, Faculty Sponsor)

**49 Don't come any closer: Racial bias in estimates of physical distance**

Kaitlyn Hearn, Birmingham-Southern College; Shane Pitts, Birmingham-Southern College (Shane Pitts, Faculty Sponsor)

**50 Effects of Ecologically Valid Photo Editing on Self-esteem and Body Image**

Isabella Meneguzzi, Kenyon College; Jacqueline McKeown, Kenyon College (Patrick Ewell, Faculty Sponsor)

**51 Social Resources and Motivation to Engage in Cognitive Effort**

Alexandra Erdmier, Bradley University; Austa Schley; Theodore Papastathis, Bradley University; Adelyn Eichhorn, Bradley University; Alexis Printz; Madison Dillerud, Bradley University; Lane Beckes, Bradley University (Lane Beckes, Faculty Sponsor)

**52 Retweets to riots: political polarization in online settings**

Elizabeth Titera, University of Wisconsin-La Crosse; Chloe Kepler, University of Wisconsin - La Crosse (Kevin Zabel, Bianca Basten, Faculty Sponsor)

### **53 The Big Five and Relationship Satisfaction**

Kayla Deckert, University of Wisconsin-River Falls; Giselle Nunez, University of Wisconsin River-Falls (Melanie Ayres, Faculty Sponsor)

### **54 Six feet apart? Covid-19, collective self-esteem, and political values**

Ellen Komp, Lindenwood University; Stephanie Afful, Lindenwood University (Stephanie Afful, Faculty Sponsor)

### **55 What does it mean if we are dating? Investigating modern lay definitions of dating**

Wiktorija Pedryc, Lake Forest College; Xinyu Wang, Lake Forest College; Annie Keller, Lake Forest College; Esther DeCero, Lake Forest College; Katelyn Kauth, Lake Forest College; Imani Downer, Lake Forest College; Catherine Miller, Lake Forest College; Amelie Motzer, Lake Forest College; Vivian Ta, Lake Forest College (Vivian Ta, Faculty Sponsor)

### **56 The role of facial affect in racial categorization of female faces**

Julie Parker, Birmingham-Southern College; J'Shell Rice, Birmingham-Southern College; Kelsey Hutchens, Birmingham-Southern College; Kennedy Hill, Birmingham-Southern College; Shane Pitts, Birmingham-Southern College (Shane Pitts, Faculty Sponsor)

### **57 Differences in the perception of conflict in same-sex and different-sex intimate relationships**

Rachel Esler, Northeastern Illinois University (Maureen Erber, Faculty Sponsor)

### **58 The Perception of the Self as a Digital Double**

Daphnis McPherson, University of Kansas; Anna Pope, University of Kansas (Dr. Anna Pope, Faculty Sponsor)

### **59 Conversation content influences goals in interracial interactions**

Emily Veroeven, University of Wisconsin- La Crosse (Kevin Zabel, Faculty Sponsor)

### **60 “I’m doing this for you”: rationales for syllabus policies and their effects on perceptions of teacher empathy**

Breanna Ellis, Simpson College; Alaina Gerdes, Simpson College; Sal Meyers, Simpson College (Sal Meyers, Faculty Sponsor)

**61 Short term longitudinal investigation of the link between rejection fear and symptoms of anxiety, depression, and stress**

Anna Milani, Bradley University; Christopher Cockrell, Bradley University; Mikayla Ganan, Bradley University; Lane Beckes, Bradley University (Lane Beckes, Faculty Sponsor)

**62 Relationship quality from the perception of romantic partners of narcissists**

Anna Myers, The Ohio State University Mansfield; Amy Brunell, The Ohio State University Mansfield (Amy Brunell, Faculty Sponsor)

**63 The effects of female affiliation on the oxytocin stress recovery response**

Kinsey Brawner, Western Illinois University (Kristine Kelly, Faculty Sponsor)

**64 Association between life satisfaction of college students and their demographic variables**

Alea Farmer, Lindenwood University (Michiko Nohara-LeClair, Faculty Sponsor)

**65 Confidence Culture Advertisement**

Harding Daniel, Kenyon College; Sarah K. Murnen, Kenyon College (Sarah Murnen, Faculty Sponsor)

**66 Mental Visualizations of Workplace Behavior**

Uche Nnate, Purdue University; Kipling Williams, Purdue University (Kipling Williams, Faculty Sponsor)

**67 The Coach-Athlete Relationship: Exploring the Relationship Mental Well-Being, Perceived Coach Support, and Negative Affectivity**

Matthew Conrad, Anderson University-IN (Dr. Laura Stull, Faculty Sponsor)

**68 Exploring the relationship between baking, resilience, and psychological wellbeing**

Tsz Yan Liane Kwong, Andrews University (Harvey Burnett, Faculty Sponsor)

**69 Attachment to Things: A Quantitative and Qualitative Approach**

Cassandra Ceron Fernandez, North Hennepin Community College (Eve Willadsen-Jensen, Faculty Sponsor)

**70 What's in a smile: cross-cultural differences in expressivity affect perceptions of authenticity in smiles**

Chloe Roske, University of Chicago (Bernd Wittenbrink, Faculty Sponsor)

**71 Effects of self-esteem and viewing high achievers vs low achievers on schadenfreude**

Miriam Helwig, Wisconsin Lutheran College (Wendy Close, Faculty Sponsor)

**72 The Relationship between Authoritarianism and Adherence to COVID-19 Mitigation Guidelines**

Annaleah Urton, Franklin College (Jamie Bromley, Faculty Sponsor)

**73 Religious Belief Is Positively Correlated with Conspiratorial Thinking**

Natalia Mindowicz, Central College; Gabrielle Kimm; Brittney Kuntz (Ashley Jean Scolaro, Keith Jones, Shelby Messerschmitt-Coen, Randall Renstrom, Faculty Sponsors)

**74 The role of stereotypes in the perceptions of police shootings of unarmed Black men**

Paige Busick, Central College; Lilly Bracy, Central College; Kaila Plum, Central College; Makenna Hall (Ashley Jean Scolaro, Keith Jones, Shelby Messerschmitt-Coen, Randall Renstrom, Faculty Sponsors)

**75 The Relationship Between Gender, Cultural Identity and Perceptions of Empathy**

Sara Pauley, Central College; Maya Jackson; Megan Doty, Central College (Ashley Jean Scolaro, Keith Jones, Shelby Messerschmitt-Coen, Randall Renstrom, Faculty Sponsors)

**76 The role of racial identity and coping strategies on Black male mental health outcomes**

Kelsea Hurley, Central College; Megan Cimino, Central College; Quevion Baker-McCaulay, Central College; Allyson Madsen, Central College (Ashley Jean Scolaro, Keith Jones, Shelby Messerschmitt-Coen, Randall Renstrom, Faculty Sponsors)



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**Psi Chi Distinguished Lecture**

**Expanding Our Views of Marginalized Students' Identities**

Mesmin Destin, Northwestern University  
[m-destin@northwestern.edu](mailto:m-destin@northwestern.edu)

Fri. 10:30AM – 11:30AM

Red Lacquer

Moderator: Lindsey Root Luna, Hope College

Recent advances from psychological science provide new evidence regarding how to best support the learning, achievement, and well-being of students from a diverse range of backgrounds. This includes the latest experimental research on the effects of strengths-based messages about students' identities that might otherwise be seen as marginalized. Findings have direct implications for the messages that educators send to students through their learning contexts and educational practices.

**Conversation Hour**

Friday 11:30AM-12:30PM

Red Lacquer Room

Moderators: Lindsey Root Luna, Hope College

*All students are invited to join a conversation hour with Dr. Destin immediately after his talk.*

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## **Psi Chi Symposium V**

Fri 1:00PM – 1:50PM

Salon 02

### **1:00 Taking the Road More Traveled: Using Your Degree in Psychology in the Workforce**

Dr. Staci Parker, Walden University

Baccalaureate graduates enter the workforce facing several challenges, including: finding a satisfying job that enables them to reduce debt and experience well-being; adjusting their high expectations to the realities of a workplace structure far different from college; and succeeding with employers who believe most college graduates are unprepared for work. Options for strengthening workplace readiness will be discussed.

## **Psi Chi Symposium VI**

Fri 1:00PM – 1:50PM

Salon 09

### **1:00 Graduate Faculty Conversations**

Jonathan Hammersley, Western Illinois University; Steven Spencer, The Ohio State University; Leigh Ann Fisler, Western Illinois University; Kimberly Rios, Ohio University

Planning to apply for graduate school, but have questions about what programs and future mentors are looking for? Bring your questions to a panel of experienced graduate school mentors, available to discuss their own research, the qualities and skills they look for in potential graduate students, and more.

## **Psi Chi Symposium VII**

Fri 2:00PM – 2:50PM

Salon 02

### **2:00 Psi Chi Grants and Awards for Individuals, Chapters, & Faculty**

Lindsey M. Root Luna, Hope College

Psi Chi has a variety of ways to support you and acknowledge your contributions as undergraduate students, graduate students, and faculty members. Come to learn about the ways that Psi Chi can facilitate your research agenda, recognize excellence in your chapter, celebrate your work as a faculty member, and more.

## **Psi Chi Symposium VIII**

Fri 3:00PM – 3:50PM

Salon 02

Moderator: Erin Freiburger, Indiana University

### **3:00 Life as a Graduate Student: An Inside Look**

Selime Salim, Miami University; Erin Freiburger, Indiana University; Katherine Knauft, Miami University of Ohio; Nicole LaPlena, Miami University; Seth Wilensky (He/Him/His), Miami University

When students first arrive at their graduate programs, culture shock can set in as the expectations and norms of learning are often different from the experiences in an undergraduate program. In this session, current graduate students from Master's and Doctoral programs will be available to answer your questions to help you make the leap from undergraduate to graduate school.



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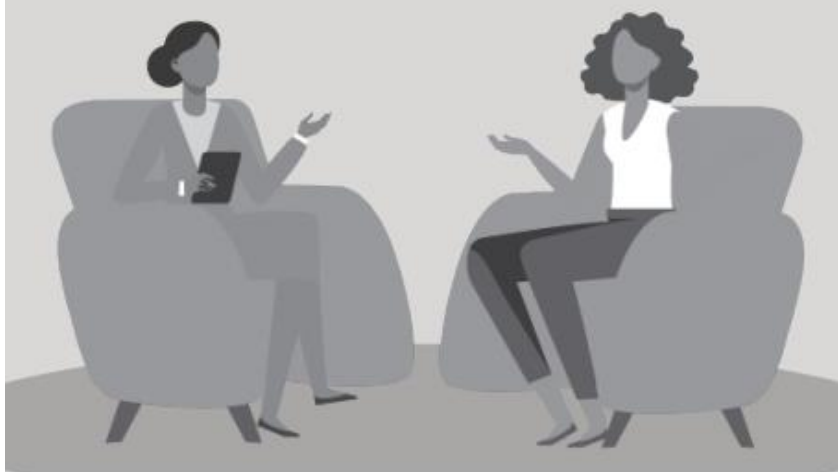
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