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37th Annual Meeting  
of the  
**Southeastern Association for  
Behavior Analysis**

October 15, 2021 | 8:45amEST to 4pmEST

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A Conference on the Behavioral Sciences

# CONFERENCE PROGRAM

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All times in Eastern time zone. Please register in advance.

## CEU AND TECHNICAL SUPPORT

[CEUhelper.com](http://CEUhelper.com)

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8:45am-9:00am

## OPENING REMARKS

Opening Remarks by President Katherine Stewart

9:00am-12:00pm

## MORNING SESSION

**Evaluating Treatment Outcomes using Token Economies with Individuals with Escape-Maintained Problem Behavior**

DR. SACHA PENCE (Western Michigan University)

**Smartphones as a vehicle for the delivery and rapid dissemination of contingency management intervention**

DR. ANTHONY DEFULIO (Western Michigan University)

**Methocinnamox: a novel treatment for opioid abuse and overdose**

DR. DAVID MAGUIRE (University of Texas Health Science Center at San Antonio)

12:30pm-1:45pm

## LUNCHTIME STUDENT POSTER SESSION

See following page for poster presentations. Please note the webinar link WILL NOT be used during posters.

Zoom Meeting ID: 980 8265 2667 Passcode: SEABA

2:00pm-4:00pm

## AFTERNOON SESSION

**Understanding Resurgence: Implications for Application**

DR. ASHLEY FUHRMAN (Rutgers Medical School)

**Panel Title: Understanding and Preventing Resurgence**

DEANNA ESTES, Moderator, The Chicago School of Professional Psychology

DR. ASHLEY FUHRMAN (Rutgers Medical School)

DR. MARK BOUTON (University of Vermont)

DR. MIKE KELLEY (University of Scranton)

Closing ceremony to immediately follow

4:30pm-5:30pm

## BUSINESS MEETING

Zoom Meeting ID: [925 2255 8824](#) Passcode: SEABA

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# POSTER SESSION

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Zoom Meeting ID: 980 8265 2667.

Passcode: SEABA (BR# = Breakout Room)

**BR1. A Habit Reversal Intervention for Face Touching**

Emma Auten (University of North Carolina Wilmington) and Carole Van Camp (University of North Carolina Wilmington) [[VIEW PDF](#)].

**BR2. Effects of Aripiprazole Alone and in Combination with d-Amphetamine on Probability Discounting in Sprague-Dawley Rats**

Paige Currie (West Virginia University) and Karen G. Anderson (West Virginia University) [[VIEW PDF](#)].

**BR3. Aversive Functions of Stimuli within Rich-Lean Transitions**

Alanna B. Ferguson (University of North Carolina Wilmington), Elizabeth P. Thuman (University of North Carolina Wilmington), Lillith Camp (Idaho State University), Raymond C. Pitts (University of North Carolina Wilmington), & Christine E. Hughes (University of North Carolina Wilmington) [[VIEW PDF](#)].

**BR4. Demonstration of ABA and ABC Renewal During Omission Training and Fixed-Time Schedules**

Kacey R. Finch (West Virginia University) and Kathryn M. Kestner (West Virginia University) [[VIEW PDF](#)].

**BR5. An Evaluation of the Effects of Including Differential Observing Response Requirements on the Acquisition of Tact to Mand Transfers During Natural Environment Teaching**

Elizabeth Foster Marone (The Chicago School of Professional Psychology) and Amanda Mahoney (The Chicago School of Professional Psychology) [[VIEW PDF](#)].

**BR6. A Translational Model of Treatment Integrity Failures During Differential Reinforcement Without Extinction**

Kayla Glover (University of Kansas) [[VIEW PDF](#)].

**BR7. An Antecedent Assessment of Face Touching with Adult and Child Participants**

Kaitlyn Hancock (University of North Carolina Wilmington), Emma Auten (University of North Carolina Wilmington), and Carole Van Camp (University of North Carolina at Wilmington) [[VIEW PDF](#)].

# POSTER SESSION

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Zoom Meeting ID: 980 8265 2667

Passcode: SEABA (BR# = Breakout Room)

**BR8. Evaluating DRO without Extinction with Asymmetrical Magnitude of Reinforcement**

Lindsey Hronek, M.S., BCBA, Mike McKeown, Tera Waterman, & Kathryn Kestner, Ph.D., BCBA-D (West Virginia University) [[VIEW PDF](#)].

**BR9. The Effectiveness of Performance Diagnostic Checklist – Human Services (PDC-HS) interventions on Improving Performance of Behavioral Skills Training (BST) Trained Staff**

Tranika Jefferson and Amanda Mahoney (The Chicago School of Professional Psychology) [[VIEW PDF](#)].

**BR10. Increasing Instructional Efficiency by Presenting Additional Stimuli in Learning Trials for a Child with Autism Spectrum Disorders: A Replication Study**

Stephanie Nicole Knox, Dr. Jaime DeQuinzio & Dr. Amanda Mahoney (The Chicago School of Professional Psychology) [[VIEW PDF](#)].

**BR11. Does Molecular Feedback Enhance Control by Molar Contingencies to Reduce an Avoidance Session?**

Jeremy Langford (West Virginia University), Cory Toegel (Northern Michigan University), Catherine Williams (Emory University/Marcus Autism Center), and Michael Perone (West Virginia University) [[VIEW PDF](#)].

**BR12. Probability discounting of seeking primary care treatment and flu vaccinations**

Sofia Perez (Georgia Southern University), Megan Small (Georgia Southern University), and Dr. Jonathan E. Friedel (Georgia Southern University) [[VIEW PDF](#)].

**BR13. Replication of a Nonsequential Renewal Model and Investigation of Extinction Cues for Attenuating Renewal**

Brianna G. Sarno (West Virginia University) and Kathryn M. Kestner (West Virginia University) [[VIEW PDF](#)].

**BR14. The Effect of Task Type and Magnitude on Probability Discounting of Plea Bargains**

Megan Small (Georgia Southern University), Sofia Perez (Georgia Southern University), and Jonathan Friedel (Georgia Southern University) [[VIEW PDF](#)].

# S P E A K E R I N F O R M A T I O N

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## **Dr. Anthony DeFulio, Ph.D., BCBA-D**

Dr. DeFulio's experiences in behavior analysis include provision of in-home services to children with autism, translational research on the development of reading skills in developmentally disabled adults, and conducting basic research on conditioned reinforcement in pigeons. Over the last 14 years, Dr. DeFulio's research has principally focused on behavioral interventions for promoting drug abstinence and medication adherence. His most recent work involves delivering these interventions remotely, and includes collaboration with DynamiCare Health, Inc., a Boston startup that is dedicated to provision of contingency management services on a national scale. Dr. DeFulio has been the principal investigator on four NIH research grants and a co-investigator on many others. His most recent NIH grant project involves a smartphone-based approach to promoting entry into medication-assistant treatment in out-of-treatment opioid users. He was the 2014 recipient of the APA's B.F. Skinner Young Researcher Award, and has served on the board of editors for JABA, JEAB and Perspectives on Behavior Science. He is also a former president of the Four Corners Association for Behavior Analysis. In June of 2015 he joined the faculty of the Department of Psychology at Western Michigan University, an internationally recognized institution for training and research related to Behavior Analysis, where he teaches a variety of behavior analysis graduate classes and mentors undergraduate, master's, and doctoral students.

**Smartphones as a vehicle for the delivery and rapid dissemination of contingency management intervention**

# S P E A K E R I N F O R M A T I O N

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## **David Maguire, Ph.D.**

David Maguire, PhD, is an Assistant Professor in the Department of Pharmacology at UT Health San Antonio. He earned BA and MA degrees in psychology from the University of North Carolina Wilmington and a PhD degree in the experimental analysis of behavior (technically, psychology) from the University of Florida. After graduate school, he completed postdoctoral training in pharmacology at UT Health San Antonio, after which he was promoted to a research-track faculty position which eventually led to his current appointment. Dr. Maguire has over 18 years of experience conducting preclinical behavioral pharmacology research in several nonhuman species. His work has culminated in over 35 original research papers, reviews, and book chapters as well as dozens of presentations at national and international meetings. He is a councilor on the executive committee for the Behavioral Pharmacology Division of ASPET and serves on the editorial boards of JEAB and Behavioural Pharmacology. Dr. Maguire is the principal investigator of a NIDA-funded research project investigating abuse-related effects of drug mixtures and co-investigator on several other federally funded research projects. His laboratory uses a variety of techniques to study interactions between behavior and pharmacology. Much of this work involves opioids, which pose a substantial public health challenge, and is aimed at understanding factors that contribute to drug abuse as well as discovering and evaluating novel, safe, and effective treatments for substance use disorders.



## **Methocinnamox: a novel treatment for opioid abuse and overdose**

### **Abstract**

Opioid abuse remains a serious public health challenge despite the availability of effective medications such as methadone, buprenorphine, naltrexone, and naloxone. Methocinnamox (MCAM) is a selective, long-acting mu opioid receptor antagonist that reliably attenuates abuse- and overdose-related effects of opioids such as heroin and fentanyl, suggesting it could be a safe and effective treatment for opioid use disorder and opioid overdose. This talk will review preclinical studies supporting the therapeutic potential of MCAM and highlight how behavior analytic principles and procedures have been utilized to characterize this potentially life-saving drug.

# S P E A K E R I N F O R M A T I O N

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## **Dr. Sacha Pence, Ph.D., BCBA-D**

Dr. Sacha Pence is an Assistant Professor in the Department of Psychology at Western Michigan University. Dr. Pence received her Bachelor's degree in Psychology and Biology at Northern Michigan University and her Master's degree in Applied Behavior Analysis through the joint program at Northeastern University and the New England Center for Children. She completed her PhD in Psychology with an emphasis on Behavior Analysis at West Virginia University under the mentorship of Claire St. Peter. She was on the faculty at Auburn University and Drake University before joining the faculty at Western Michigan. Dr. Pence's research largely focuses on improving treatment outcomes for children who engage in challenging behavior, evaluating procedures to teach skills to children with developmental disabilities, evaluating the effects of treatment-integrity errors, and assessing staff-training procedures and outcomes.



## **Evaluating Treatment Outcomes using Token Economies with Individuals with Escape-Maintained Problem Behavior**

### **Abstract**

Token economies can be a beneficial treatment component for individuals who have escape-maintained problem behavior to help increase compliance with academic tasks. During a token economy, the behavior-change agent delivers tokens on a specified schedule contingent on appropriate behavior and frequently places problem behavior on extinction. However, in the natural environment, behavior-change agents may not adhere to the designated token-production schedules. The presentation will review data from a study that parametrically evaluated the extent to which differing levels of omission errors influenced the efficacy of token economies across fixed-ratio and variable-ratio schedules of reinforcement on appropriate and problem behavior. In general, as levels of integrity decreased, problem behavior increased and compliance decreased. When implemented with high levels of integrity, token economies can be incorporated into a treatment packages to help increase compliance. This presentation will also review a study evaluating the effects of token economies following acquisition of a break response during functional communicate training. The token economy increased compliance, while maintaining low levels of problem behavior and break requests. The presentation will discuss implications for clinical practice and future research.

# S P E A K E R I N F O R M A T I O N

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## **Ashley Fuhrman, Ph.D., BCBA-D**

Ashley Fuhrman, Ph.D., BCBA-D is an Assistant Professor in the Department of Pediatrics, Child Neurology and Neurodevelopmental Disabilities Division at Rutgers Robert Wood Johnson Medical School. She is also an affiliate faculty in the Graduate School of Applied and Professional Psychology. She works as a clinical manager at Children's Specialized Hospital Rutgers University Center for Autism Research, Education, and Services. She oversees cases involving the assessment and treatment of severe destructive behavior.



Dr. Fuhrman received a Bachelor of Arts in psychology from the University of Wisconsin–Eau Claire. She then completed her Master of Arts in applied behavior analysis at the University of Nebraska Omaha, and her Ph.D. at the University of Nebraska Medical Center (UNMC). Dr. Fuhrman worked in the Severe Behavior Program at the Munroe-Meyer Institute at UNMC for six years before moving to New Jersey.

Dr. Fuhrman serves on the board of editors for the Journal of the Experimental Analysis of Behavior and is a previous board member of the Journal of Applied Behavior Analysis. She has helped to supervise grants from the National Institute of Child Health and Human Development on refinements of functional communication training and preventing relapse of destructive behavior using quantitative models of behavior. Her aim is to improve current assessment and treatment of severe behavior disorders.



# S P E A K E R I N F O R M A T I O N

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## **Michael E. Kelley, PhD, LP, BCBA-D**

Michael E. Kelley, PhD, LP, BCBA-D is a professor at the University of Scranton (Department of Counseling and Human Service, Panuska College of Professional Studies). He has held faculty positions at the Florida Institute of Technology (2012 – 2019), University of Nebraska Medical Center (2010 – 2012), University of Southern Maine (2007 – 2010), and Emory University (2004 – 2007). Dr. Kelley has also served as the Executive Director of the Scott Center for Autism Treatment (2012 – 2019), where he supervised over 75 staff and 7 clinical service, training, and research programs (approximate \$2M annual budget). Professionally, Dr. Kelley is a licensed Psychologist (PA, FL, NE, ME) and a Doctoral-level Board Certified Behavior Analyst. He integrates education, clinical service, training, and research in his professional activities. Dr. Kelley has over 50 peer-reviewed publications, and has served as an investigator in several federally funded grants. Dr. Kelley has extensive training and experience in developing and directing programs, tele-medicine service delivery, and supervising staff for clinical services and research.

# S P E A K E R I N F O R M A T I O N

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**Mark E. Bouton, Ph.D.**

Mark E. Bouton, Ph.D., is a University Distinguished Professor and the Lawson Green and Gold Professor of Psychology at the University of Vermont. He has been doing laboratory research on extinction, contextual control, and operant and respondent behavior change for several decades. His lab has been funded continuously by NSF, NIMH, or NIDA since 1981. He is also the author of a textbook on learning that he would recommend to behavior analysts [Learning and behavior: A contemporary synthesis (2nd ed.)], published in 2016 by Sinauer Associates, an imprint of Oxford University Press.



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