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# Nevada Association for Behavior Analysis

2018 Annual Conference PROGRAM OF EVENTS

**October 12<sup>TH</sup>** − **14<sup>TH</sup>** 

The Westin Las Vegas Hotel & Spa Las Vegas, NV





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NABA would like to thank the persons and organizations who have helped make this conference possible:

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- Jacqueline Beug
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#### **Supporting Organizations**

- UNR BA Club
- UNR Psychology Department
- The Westin Las Vegas Hotel & Spa



Mark your calendars for next year's NABA conference!

October 11<sup>th</sup> – 13<sup>th</sup>

The Whitney Peak Hotel in Reno, NV



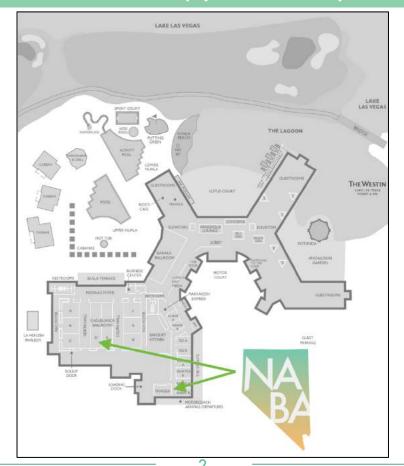
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- Luna Rossa Ristorante
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   40 Costa Di Lago
- One5 Lakeside
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- Reflection Bay Bar & Grill
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- Rick's Café
- Marssa Steak and Sushi
- SandsaBar & Grill
- Taqueria Azul
- Marrakesh Express

# Conference Map (Westin 1st Floor)



# **About NABA**

The continuing mission of the Nevada Association for Behavior Analysis is to promote intellectual exchange and professional development in the field of behavior analysis in all its facets to include: philosophical, theoretical, experimental, applied, and practice.

The Nevada Association for Behavior Analysis (NABA) is an affiliate chapter of the Association for Behavior Analysis International (ABAI). Affiliated chapters are membership organizations associated with ABAI through their interest in the dissemination, education, and growth of behavior analysis. ABAI records indicate NABA's first official year of operation was 2003. Since its inception, NABA has maintained the mission of promoting intellectual exchange and professional development in the field of behavior analysis.

# **NABA Board Members**

President	
Ashley Greenwald, Ph.D., BCBA-D®, LBA	2017 - 2018
President Elect	
Jennifer Bonow, Ph.D., BCBA-D®, LBA	2018 - 2019
Secretary & Treasurer	
Megan Szeto, M.A., BCBA®, LBA	2017 - 2018
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Jodie Soracco, M.Ed., BCBA $^{ exttt{o}}$ ,	2018 - 2019
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Molly Halligan, M.A., BCBA®, LBA	2017 - 2018
At-Large Representative Elect	
Holly Seniuk, Ph.D., BCBA-D®	2018 - 2019
Student Representative	
Steven Anbro, M.S., BCBA®	2017 - 2018
Student Representative Elect	
Mariela Castro, M.S., BCBA®, LBA	2018 - 2019

# Notes

#### Saturday, Oct. 14<sup>th</sup> – Casablanca Ballroom D (cont.)

# Benefits of Acceptance and Commitment Training for Individuals with Autism Spectrum Disorder (1 CEU)

#### 3:45pm - 4:15pm: Rhonalyn Santos



Abstract: For individuals with autism spectrum disorder, inflexibility and insisting on "sameness" can impede family routines and damage intrafamily relationships. Contingency management interventions for restricted and repetitive behavior have received a great deal of empirical support, but some children respond to these interventions with emotional behavior and counter-control. For high functioning verbal individuals, addressing private events during ABA sessions may be beneficial. In this multiple baseline across participants design study, we evaluated a two-hour Acceptance and Commitment Training to reduce tantrums and evoke a counter-intuitive functional

communicative response: manding for rule changes. Two male participants with autism, 5 and 6 years of age, showed an increase in manding for rule changes and a decrease in inflexible behaviors after failing to respond to differential reinforcement of alternative behavior and functional communication training in the use of mands for sameness. Importantly, we programmed and assessed generalization to play situations with siblings and found strong generalization to these novel contexts. Benefits of Acceptance and Commitment Training and the use of paradoxical interventions in ABA are discussed.

4:15pm – 4:30pm Closing Remarks: Jennifer Bonow, Ph.D., BCBA-D<sup>®</sup>, LBA

#### Thank you to our conference volunteers!

The NABA Board would like to thank our team of student volunteers for making this year's conference a great success!

Kasey Carajan Liz Krulder Jonathan Corona Sohpia Raphael Gladys Mangune Joanna Raymundo

Jelly McCauley Jose Ruiz
Shanne Medina Melia Shamblin
Diana Mingione Clarissa Zuniga

Jill Jarvis

#### **Undergraduate Conference Scholarships**

Congratulations to Felicity Burleson & Dolly Stiles, this year's recipients for the NABA Undergraduate Conference Scholarship!

# **Membership Information**

NABA has four categories of membership. Membership dues must be paid annually. Membership terms start on July 1<sup>st</sup> and end on June 30<sup>th</sup> each year. NABA recommends that you renew your membership on July 1<sup>st</sup> each year to receive continuous benefits.

- Full Members shall hold a masters or doctoral degree (or equivalent) in a field related to behavior analysis. Full members may vote on matters related to NABA.
- Student Members shall provide documentation of full-time student enrollment by an official of their training institution. Student Members have student representative voting privileges only.
- Affiliate Members shall be those members who do not meet the requirements of either Full or Student Members. Affiliate Members do not have voting privileges.
- Sustaining Members shall be any member interested in further supporting NABA financially. Sustaining Members receive one RA pass (free conference registration) to the annual conference, an invitation to the conference speaker dinner, and recognition in the conference program.

#### **NABA Business Meetings**

Our Business Meetings will cover NABA's growth and progress over the past year, and will discuss our current and projected financials. Members will also have a chance to nominate and vote on 2019 – 2020 Board Members.

- Sunday, 8:20am all members are invited to join us for breakfast and the NABA Business Meeting (Casablanca Ballroom D).
- Sunday, 1pm all student members are invited to lunch and the NABA Student Meeting (Tangier Room).

#### Continuing Education (CEUs)

BCBAs® & BCaBAs® will be able to obtain up to 10 CEUs for the conference and up to 8 CEUs for the pre-conference workshops. CEUs will be offered at a flat rate (see pricing online) for the entire conference. Submit the top copy (white) of your sign-in form at the end of the conference and keep the bottom (yellow carbon copy) as your CEU certificate.

#### VIDEO/PHOTO DISCLAIMER

All conference attendees should be aware that your likeness may be captured either on video or in photographs and used in NABA-approved promotional/dissemination material.

# Friday, October 12<sup>th</sup>

8:00am - 2:00pm

Check-in & on-site registration

9:00am - 12:00pm (Casablanca Ballroom D)

Pre conference Workshop (3 CEUs)......Anthony Biglan

- LUNCH BREAK-

# Saturday, October 13th

7:00am - 6:00pm

Check-in & on-site registration

8:20am - 8:30am (Casablanca Ballroom D)

Opening Remarks......Ashley Greenwald

8:30am - 9:30am (Casablanca Ballroom D)

Invited Speaker......Michael Domjan

9:45am - 10:45am (Casablanca Ballroom D)

Invited Speaker.....Tim Hackenberg

11:00am - 12:00pm (Casablanca Ballroom D)

Keynote Speaker......Anthony Biglan

- LUNCH BREAK-

1:30pm - 2:30pm (Casablanca Ballroom D)

Invited Speaker......Marianne Jackson

<u>2:45pm – 3:45pm (</u>Casablanca Ballroom D)

Invited Speaker.....Michael Levin

4:00pm - 6:00pm (Tangier Room)

Poster Session (with cash bar)

#### Saturday, Oct. 13th - Casablanca Ballroom D (cont.)

#### **KEYNOTE ADDRESS**

#### Accomplishment Based Performance for the 21st Century

12:00pm - 1:00pm: Carl Binder, Ph.D.



Abstract: Thomas F. Gilbert's recommendation in his groundbreaking 1978 book, Human Competence, that we shift the focus of performance analysis and intervention from behavior to what he called valuable accomplishments, created a paradigm shift that continues to rumble through the practice of organizational performance improvement. Standing on Gilbert's shoulders, Six Boxes Performance Thinking offers a framework that brings accomplishment-based performance improvement to consultants, training and development teams, HR

and OD professionals, process improvement specialists, leaders, managers, supervisors, coaches, and individual contributors. This approach distills the elements of performance engineering and behavior science into two simple visual models and 21 plain English words that enable anyone at any level in any function to contribute to continuous and sustained performance improvement. With programs that have been tested and refined worldwide for over 15 years, this approach is now "ready for prime time" to meet the challenges of fast-moving 21st century organizations. This presentation recounts the evolution of Performance Thinking® models and applications and highlights an emerging focus on agile talent development, optimizing employee engagement, and building performance-focused organizational culture through leaders and managers collaborating with staff performance professionals.

1:00pm - 2:30pm: LUNCH BREAK Student Meeting in Tangier Room (lunch provided)

#### Fulfilling Skinner's Vision through Entrepreneurship

2:30pm - 3:30pm: Todd Ward, Ph.D., BCBA-D®



Abstract: As early as 1938, in his book Behavior of Organisms, B.F. Skinner envisioned a science of behavior applicable to the entire world. He later referred to this as a "technology of behavior" and frequently discussed large-scale social issues such as pollution, nuclear war, and education. To Skinner, the science of behavior applied to every aspect of behavior in its full complexity. Today, 80 years later, we have not come close to fulfilling Skinner's vision for the world. In this presentation, we will explore the current state of this "technology", potential obstacles to implementation, and provide concrete steps that you can

take to generate a novel behavior analytic business idea today.

#### Sunday, Oct. 14<sup>th</sup> – Casablanca Ballroom D

8:20am - 9:20am NABA Business Meeting

9:20am - 9:30am Opening Remarks: Ashley Greenwald, Ph.D., BCBA-D®

When Professionals Disagree: Ethics of Effective Collaboration (1 Ethics CEU)

9:30am - 10:30am: Amanda Kelly, Ph.D., BCBA-D®, LBA



Abstract: Whether you are a practitioner, consultant, researcher, or parent, we all encounter opportunities to work as part of a multi-disciplinary team. Benefits of having multiple providers and experts on board can include collaborative brainstorming with shared responsibility for client outcomes. When individuals disagree, however, it can be challenging to determine whose expertise will prevail or what next steps the team should be making. In addition to creating an uncomfortable workplace, when members of the team are

resistant or hesitant to trust another's idea, fidelity of an intervention may also be compromised. When disagreements occur this often translates to a delay in client access to treatment. This presentation will review common conflicts, as well as offer some suggestions for effectively navigating these dicey situations.

#### Sharing the Sandbox: Working on Interdisciplinary Teams (1 CEU)

10:45am - 11:45am: Mariela Castro, M.S., BCBA®, LBA (Moderator)



<u>Panelists</u>

Ashley Greenwald, Ph.D., BCBA-D<sup>®</sup>, LBA Jamie Hughes-Lika, Ph.D., BCBA-D<sup>®</sup>, LBA

Thomas Szabo, Ph.D., BCBA-D®

DISCUSSANT: Amanda Kelly, Ph.D., BCBA-D®, LBA

Abstract: Working on interdisciplinary teams is a critical part of many behavior analysts' careers. Each opportunity to work on such a team comes

with its own set of benefits and challenges for behavior analysts. This panel is comprised of behavior analysts who have experience working on interdisciplinary teams. They will discuss a wide range of topics related to the benefits and challenges of working on such teams, including their recommendations and best practices for when you find yourself "sharing the sandbox" with other professionals.

# Sunday, October 14<sup>th</sup>

7:00am - 12:00pm

Check-in & on-site registration

8:20am - 9:20am (Casablanca Ballroom D)

**NABA Business Meeting** 

9:20am - 9:30am (Casablanca Ballroom D)

Opening Remarks......Ashley Greenwald

9:30am - 10:30am (Casablanca Ballroom D)

Invited Speaker.....Amanda Kelly

10:45am - 11:45am (Casablanca Ballroom D)

Panel Discussion......Ashley Greenwald, Jamie Hughes, Thomas Szabo

12:00pm - 1:00pm (Casablanca Ballroom D)

- LUNCH BREAK -

NABA Student Meeting 1pm - 2:15pm (Tangier Room)

2:30pm - 3:30pm (Casablanca Ballroom D)

Invited Speaker.....Todd Ward

3:45pm - 4:15pm (Casablanca Ballroom D)

Student Speaker......Rhonalyn Santos

4:15pm - 4:30pm (Casablanca Ballroom D)

Closing Remarks......Jennifer Bonow

# **Special Thanks**

The NABA Board would like to thank the following individuals for their contributions to NABA and its ongoing activities:

Jen Bonow (chair)

**SEEKING MEMBERS!** 

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Subcommittee Subcommittee Subcommittee

Subcommittee
Ashlie Encinias (chair)
Subcommittee
Ken MacAleese (chair)

Jodie Soracco Jared Chase
Meaan Szeto Gwen Dwiagii

Gwen Dwiggins Brighid Fronapfel Molly Halligan

olly Halligan

#### Friday, Oct.12<sup>th</sup> - Casablanca Ballroom D

#### Evolving More Nurturing Communities Through Behavioral Science (3 CEUs)

9:00am - 12:00pm: Anthony Biglan, Ph.D.



Abstract: This participatory workshop will engage people in defining the kinds of environments they want – in families, schools, workplaces, neighborhoods, and communities. I will then present a public health framework for defining human well-being. The framework is based on accumulated research about the conditions that people need to thrive and the conditions that harm their development and the well-being of other people. Next, I will present a description of the PAX Good Behavior Game, which has proved successful in helping elementary schools create a nurturing culture. The PAX Good Behavior Game is a model for how we can evolve cultures that nurture the

wellbeing of every person. Participants will then be asked to work in small groups to articulate how the principles and components of the PAX Good Behavior game could be applied to the promotion of nurturance throughout the culture – in families, neighborhoods, workplaces, and whole communities.

# 12:00pm – 1:00pm: LUNCH BREAK ON YOUR OWN (See page 2 of program for nearby dining recommendations)

#### Performance Scorecards as a Supervision & Leadership Tool (2 Supervision CEUs)

1:00pm - 3:00pm: Shannon Biagi, M.S., BCBA®



Abstract: Measuring and objectively evaluating supervisee performance is often a struggle for supervisors, but doing so is an ethical and professional obligation according to the BACB®. This hands-on workshop will provide an introduction to developing individual performance scorecards to address this obligation, and will describe best practice strategies for their use as a management and leadership tool. Participants will actively develop a unique sample scorecard for their supervisees, and will learn how this can be used for evaluation and delivering feedback in their organizations and supervision practice. Beyond scorecard development, essential leadership skills for ensuring the

successful implementation of a scorecard system will be emphasized in order to increase the likelihood that the scorecards will be well-received and socially-valid for supervisees.

# Working with LGBTQ Clients: Cultural Competence and the BACB® Code (3 Ethics CEUs) 3:30pm - 6:30pm: August (Fawna) Stockwell, Ph.D., BCBA-D®



Abstract: Transgender and gender nonconforming identities have gained increasing visibility within recent years, and gender and sexuality both play a significant role in how social interactions are constructed for people of all identities. This workshop provides an overview of key concepts and social practices related to gender and sexuality, as well as stereotypes and barriers that LGBTQ individuals face both generally and when interacting with helping professionals specifically. Attendees will explore specific strategies that behavior analysts and other helping professionals can employ to promote LGBTQ-affirming interactions with clients, their family members, staff, and

others, as well as relevant BACB® ethics codes that call for the development of LGBTQ cultural competence. Empirically supported literature and data will be presented where applicable and available, and questions and discussion will be welcomed throughout the workshop. Clinical scenarios and other active response opportunities will be provided.



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#### Saturday, Oct. 12<sup>st</sup> - Tangier Room

4:00pm - 6:00pm: POSTER SESSION Tangier Room

- A Comparison of Concurrent and Single-Alternative FR and PR Schedules in Rats
  - Courtney Smith & Matthew Locey
- 8. The Efficacy of Adult Contingent Vocal Imitation with Young Children with Autism
  - Staheli Meyer, Taylor Seidler, Donna West, Vanessa Willmoth, & Patrick M. Ghezzi
- An Interbehavioral Approach to the Novelty of Measures of Scientific Participation across Various Scientific Enterprises Dominique R. Stedham, Alexis A. Filatov, Jakob Chambers, & Linda J. Parrott Hayes
- The Role of Test Trials While Teaching Relational Responding Chantal Rainford
- A Statewide Survey of Elementary Special Education Programs Teachers' Experience with a Functional Behavior Assessment Nanami Kanayama West & Maryann Demchak
- 12. Examining the Additive Effects of Individually-Assessed Verbal Stimuli on Cooperative Responding Under a Financially Neutral Pay Contingency Hema Prabhu, Kenneth Burleigh, Gabby Collier, & Ramona A. Houmanfar
- 13. The Effect of a Proprioceptive Musical Interface and Methods of Musical Instruction on the Acquisition of Unprompted Pitch Discrimination: A Proposal for Further Research
  - Benjamin Reynolds & Linda J. Parrott Hayes
- 14. Exploring the Technical Feasibility of Virtual Reality: Assessing Medical and Nursing Students' Situational Awareness within a Simulated Medical Emergency
  - Steven J. Anbro, Alison J. Szarko, Jose Ruiz, Jonathan Corona, Michelle Rebaleati, Luka Starmer, Amber M. Maraccini, Laura H. Crosswell, & Ramona A. Houmanfar
- 15. Exploring the Technical Feasibility of Virtual Reality: Measuring the Effectiveness of an Interprofessional Training Package on Medical and Nursing Student Communication Accuracy within a Simulated Medical Emergency

Alison J. Szarko, Steven J. Anbro, David Ressa, Janice Ta, Amber M. Maraccini, Laura H. Crosswell, & Ramona A. Houmanfar

#### Saturday, Oct. 12st - Casablanca Ballroom D

8:20am - 8:30am Opening Remarks: Ashley Greenwald, Ph.D., BCBA-D<sup>®</sup>, LBA

Habituation to Reinforcers: Why You Should Care (1 CEU)

8:30am - 9:30am: Michael Domjan, Ph.D.



Abstract: Pavlovian conditioning has been characterized as a laboratory-based learning procedure that may have little relevance to how organisms navigate the challenges they face in their natural environment. However, Pavlovian conditioning was discovered in the context of object learning in which one attribute of an object becomes associated with another. Object learning is a pervasive ecological learning paradigm. I will review the historical origins of Pavlovian conditioning and discuss studies taste aversion learning and sexual conditioning that reflect contemporary studies of object learning. I will then

discuss how Pavlovian mechanisms can generate not only changes in sexual behavior but also changes in reproductive outcomes and numbers of offspring produced. These effects illustrate how Pavlovian mechanisms can influence the course of evolution, something Tinbergen would have found to be pretty impressive.

If Pavlov had Collaborated with Tinbergen: Natural Learning Paradigms and the Contributions of Learning to Reproductive Fitness (1 CEU)

9:45am - 10:45am: Tim Hackenberg, Ph.D.



Abstract: Social behavior is a topic of enormous scientific importance that spans disciplines from neuroscience to anthropology. One type of social behavior that has received a good deal of recent attention is pro-social, defined as behavior that produces benefits for another. To the extent that behaving for the good of another incurs costs to the individual, such behavior poses important theoretical challenges to behavioral and economic models, based on cost-benefit tradeoffs for individuals. In this talk, I will share some recent work from our lab in two areas of pro-social behavior in rats: cooperation, in which mutual benefits

require the coordinated actions of two rats; and rescue behavior, in which the behavior of one rat releases a second rat from a restraint. While both types of behavior have been offered as examples of phenomena not reducible to individual-level mechanisms, our research suggests instead that prosocial behavior can be conceptualized and studied in behavioral-economic terms. Moreover, such methods suggest new and improved methods for exploring the mechanisms of pro-social behavior more generally.

#### Saturday, Oct. 12<sup>st</sup> - Casablanca Ballroom D (cont.)

#### **KEYNOTE ADDRESS**

Expanding the Scope of Behavior Analysis (1 CEU)

11:00am - 12:00pm: Anthony Biglan, Ph.D.



Abstract: In "Science and Human Behavior", B.F. Skinner envisioned a world in which behavioral science was solving most of the problems that have vexed human beings throughout history. He argued that a science of human behavior could vastly improve the effectiveness of education, prevent most of the behavioral problems that harm individuals and the people around them, and ultimately enable nations to live in peace and prosperity. In the 65 years since that book was published, behavioral science has made enormous progress toward Skinner's vision. However, as David Sloan Wilson has suggested, the behavioral sciences are like an ivory archipelago

with numerous islands of knowledge, most of which are not connected to the other islands. Behavior analysis is one of those islands. We have made enormous progress in addressing the needs of people with developmental disabilities, improving instruction, and strengthening the management of work organizations. Ironically, however quite a number of behavioral scientists have used the principles of behavior analysis in their work, but in the process moved to other islands. These include behavioral medicine, clinical psychology, contextual behavioral science, behavioral economics, and positive behavior support. Other important islands are less connected to behavior analysis, such as public health. In this presentation I will make the case for organizational and intellectual integration across all of these islands, one effect of which would be to expand the scope of behavior analysis.

#### 12:00pm - 1:30pm: LUNCH BREAK

Fit to Learn: Behavior Analytic Interventions to Increase Physical Activity in Children and Adults, With and Without Autism Spectrum Disorders (1 CEU)

1:30pm - 2:30pm: Marianne Jackson, Ph.D., BCBA-D®



Abstract: Despite our increasing knowledge of the harmful effects of a sedentary lifestyle and the benefits of regular physical activity, children and adults continue to fall short of nationwide recommendations for physical activity. Individuals with autism spectrum disorder (ASD) engage in even lower levels of physical activity, leaving them at an increased risk for a number of adverse health conditions. Behavior analysts have a responsibility to address these socially significant areas for children and adults, with and without ASD. This presentation will share recent research conducted with typically developing children, children with ASD, and typically

developing adults, in a variety of settings including after-school programs, playgrounds, indoor rock climbing gyms, and group exercise classes. These studies involved the manipulation of choice, the inclusion of peers, observational learning strategies, interlocking contingencies, & verbal-behavior based strategies. This presentation will make the case that behavior analysts should continue to address physical activity as a common behavior deficit but that it may also prove to be an interesting behavior from which we can teach, maintain, and generalize a number of other skills and explore a wide variety of interventions.

- 9 -

#### Saturday, Oct. 12<sup>st</sup> - Casablanca Ballroom D (cont.)

# Acceptance and Commitment Therapy Online: Improving Reach and Refining Theory (1 CEU)

2:45pm - 3:45pm: Michael Levin, Ph.D.



Abstract: The internet has substantial promise for improving the quality of, and access to, behavioral health services. Furthermore, research using computerized platforms affords new opportunities for refining our theoretical models through systematic evaluation of highly controlled, self-guided interventions and the availability of intensive longitudinal data. This talk will review research seeking to develop and evaluate online versions of Acceptance and Commitment Therapy (ACT), a clinical behavior analytic approach designed to treat a wide range of behavioral health problems. I will present findings on the efficacy of ACT delivered through websites and mobile apps for improving

mental health and well-being. Examples of ways to implement these programs as stand-alone and adjunctive services will be discussed as well as lessons learned to improve user engagement. In addition to discussing the potential public health impact of online interventions, I will explore how such research can further our understanding of, and refinements to a treatment's theoretical model, ultimately leading to more efficient and effective interventions.

#### 4:00pm - 6:00pm: POSTER SESSION Tangier Room

- . The Recruitment of High School Students in the Rurals for Training as RBTs Melia Shamblin & Lisa Emery
- 2. Food Deprivation States as Contexts for the Renewal and Reinstatement of Operant Behavior in Mice
  - Matthew Lewon, Christina M. Peters, & Linda J. Parrott Hayes
- Reducing Vocal Stereotypy (slurping sounds) for a Nonverbal 8-year-old with ASD
  - Teresa Edwards & Doris Lofton
- 4. Investigating the Relationship Between Perceived Reciprocation and Social Discounting
  - Natalie Buddiga, Jonathan Corona, Samantha Hemphill, & Matthew Locey
- Identification of the Cause of Salivation Through Assessing the Rate of Salivation
  - Anne Thurston, Brian Feeney, W. Larry Williams
- 6. Group-Oriented Contingencies: An Understudied Method of Improving Social Interactions
  - Neal Falletta-Cowden, Vittawat Sriphona-Naarm, W. Larry Williams