

## SEABA

The Southeastern Association for Behavior Analysis, founded in 1984, is a regional scholarly organization and an affiliate of the Association for Behavior Analysis. It exists primarily to promote scholarly interchange in behavior analysis through its annual convention. Membership is open to anyone with a scholarly interest in Behavior Analysis.

### OFFICERS

<b>President:</b>	Elizabeth Kyonka <i>West Virginia University</i>
<b>President-elect:</b>	Miranda Reed <i>Auburn University</i>
<b>Secretary/Past President:</b>	Christina Alligood <i>Disney's Animal Kingdom</i> <i>Florida Institute of Technology</i>
<b>Treasurer:</b>	Karen G. Anderson <i>West Virginia University</i>
<b>Program Chair:</b>	Jonathan W. Pinkston <i>University of North Texas</i>
<b>Webmaster:</b>	Christina Alligood <i>Disney's Animal Kingdom</i> <i>Florida Institute of Technology</i>

SEABA also gratefully acknowledges the University of North Texas Department of Behavior Analysis for program printing. SEABA would also like to acknowledge graduate students Alura Lanoza (UNCW), Stephen Robertson (ISU), Micah Roediger (VT), and Sharay Setti (AU) for their professionalism and service in running the registration table.



# 32nd Annual Meeting of the Southeastern Association for Behavior Analysis

Holiday Inn Tanglewood

Roanoke, VA

October 22-24, 2015

**SEABA** is a Regional Affiliate  
of the  
Association for Behavior Analysis International

## Thursday PM, October 22 – Blueridge Ballroom

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7:00 –  
11:00 pm **REGISTRATION**  
**SOCIAL WITH CASH BAR**

## Friday AM, October 23 – Blueridge Ballroom

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8:00 am **REGISTRATION: COFFEE AND PASTRIES**

8:45 am **OPENING REMARKS**  
**Elizabeth Kyonka, *President***  
*West Virginia University*

9:00 am **BEST PRACTICES IN AUTISM TREATMENT: THE IMPORTANCE OF THE ANALYSIS IN APPLIED BEHAVIOR ANALYSIS**  
**William H. Ahern**  
*The New England Center for Children*  
*Western New England University*  
**Chair:** Cecilia Smith, *Appalachian State University*

10:00 am **CREATION AND SELECTION PROCESSES IN OPERANT ACQUISITION OF DIFFERENT TYPES OF RESPONSE UNITS FROM LEVER PRESSES THROUGH WHEEL RUNNING AND DRAWING TO BRAIN ACTIVITY**  
**Iver H. Iversen**  
*University of North Florida*  
**Chair:** Forrest Toegel, *West Virginia University*

11:00 am **BREAK**

11:15 am **A VALIDATION CRISIS? LIMITATIONS OF THE FREE-FEED MODEL IN EXAMINING BEHAVIORS RELATED TO OBESITY**  
**Erin B. Rasmussen**  
*Idaho State University*  
**Chair:** Lea Crusen, *University of North Carolina Wilmington*

Save the  
Date!

Annual meeting of  
**THE SOCIETY FOR THE QUANTITATIVE  
ANALYSES OF BEHAVIOR**  
May 27 & 28, 2016, in Chicago, Illinois  
(Immediately prior to the ABAI convention)  
Theme: Persistence & Relapse



**Mark E. Bouton, University of Vermont**  
Resurgence and Relapse After Incentivized Choice Treatment

**Nadia Chaudhri, Concordia University**  
Environmental Triggers for Alcohol-Seeking Behavior: Links to Relapse and Addiction

**Nathaniel J. Hall, Arizona State University**  
Evaluating Persistence in Dogs:  
Applications for Problem Behavior and Odor-Detection Performance

**Justin Harris, The University of Sydney**  
Characteristics of Response Loss during Pavlovian Extinction

**Timothy L. Hubbard, Independent Scholar**  
Some Potential Properties of Momentum-Like Effects

**Kennon A. Lattal, West Virginia University**  
The Return of the Operant

**Ralph R. Miller, State University of New York at Binghamton**  
Stepping Back From 'Persistence and Relapse' to See the Forest:  
Determinants of Associative Interference

**James G. Murphy, The University of Memphis**  
Using Demand Curve Approaches to Model Substance-Related Risk  
and Response to Treatment

**John A. Nevin, University of New Hampshire**  
Quantitative Models of Persistence and Relapse: Fits and Misfits

**Terry E. Robinson, University of Michigan**  
Individual Variation in Incentive Saliency Attribution to Pavlovian Cues

**Federico Sanabria, Arizona State University**  
The Momenta of Behavior: Disrupting the Organization of Operant Responses

**Timothy A. Shahan, Utah State University**  
A Choice-Based Model of Resurgence

**Eric A. Thraill, University of Vermont**  
Extinction and Relapse in Heterogeneous Behavior Chains

**David P. Wacker, University of Iowa**  
Basing Assessment and Treatment of Problem Behavior on Behavior Momentum Theory:  
Analyses of Behavioral Persistence and Resurgence

# SAVE THE DATE



VIRGINIA ASSOCIATION FOR  
BEHAVIOR ANALYSIS

VABA MEMBERSHIP IS  
ANNUALLY BASED. WE HOPE  
EVERYONE WILL BECOME A  
MEMBER FOR 2016!

WORKSHOP AND CONFERENCE

FRIDAY & SATURDAY, APRIL 15-16<sup>TH</sup> 2016

LOCATION: Newport News Marriott at City Center – Newport News, VA



Call 866-329-1758 and ask  
for the *Behavior Analyst  
group block* or go online  
to the conference page at  
[www.virginiaaba.org](http://www.virginiaaba.org).  
Note that reservations  
must be made by March  
15, 2016 to guarantee the  
group rate.

CHECK OUT VABA'S WEBSITE FOR MORE MEMBER BENEFITS

Friday PM, October 23 – Blueridge Ballroom

12:15 pm LUNCH

*Talks resume promptly at 1:45 pm*

1:45 pm TEACHING EVIDENCE-BASED PRACTICES BY  
PRACTICING EVIDENCE-BASED TEACHING

Nancy Neef

*The Ohio State University*

Chair: Ruth-Anne Poli, *Virginia Tech*

2:45 pm SEX, DRUGS, AND MIXING PLEASURES: DRUG-  
INDUCED EFFECTS IN JAPANESE QUAIL

Chana K. Akins

*University of Kentucky*

Chair: Luis Rodriguez, *Idaho State University*

3:45 pm BREAK

4:00 pm SEVEN LIFE LESSONS FROM HUMANISTIC  
BEHAVIORISM: HOW TO BRING THE BEST OUT OF  
YOURSELF AND OTHERS

E. Scott Geller

*Virginia Tech*

Chair: Kaitlyn Proctor, *University of North Carolina Wilmington*

5:00 pm BUSINESS MEETING

8:00 pm –  
Midnight

POSTER SESSION & SOCIAL WITH CASH BAR

## Saturday AM, October 24 – Blueridge Ballroom

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- 8:00 am **COFFEE AND PASTRIES**
- 8:30 am **A MECHANISTIC ANALYSIS OF INDIVIDUAL DIFFERENCES IN IMPULSIVE CHOICE IN RATS**  
**Kim Kirkpatrick**  
*Kansas State University*  
**Chair:** Sharay Setti, *Auburn University*
- 9:30 am **TRANSLATIONAL RESEARCH ON PERSISTENCE AND RELAPSE**  
**Christopher A. Podlesnik**  
*Florida Institute of Technology*  
*The Scott Center for Autism Treatment*  
**Chair:** Tyler Nighbor, *West Virginia University*
- 10:30 am **BREAK**
- 10:45 am **THE MATRIX PROJECT: BEHAVIORAL SYSTEMS SCIENCE ENGAGING CRITICAL SOCIETAL AND GLOBAL ISSUES**  
**Mark Mattaini**  
*University of Illinois at Chicago*  
**Chair:** Micha Roediger, *Virginia Tech*
- 11:45 am **CLOSING CEREMONY**  
*Conference ends at noon*



We provide treatment for children, adolescents, adults, and families who have been diagnosed with a developmental disability, a wide range of mental health and/or substance abuse disorders.

Our services include Intensive In-Home Counseling, Mental Health Skill-Building, and Applied Behavior Analysis

***“If a child cannot learn in the way we teach...  
We must teach in a way the child can learn.”  
-Dr. O. Ivar Lovaas***

### **NOW HIRING!**

Behavior Treatment Counselor (ABA Program)

- Offering BCBA/BCaBA Supervision

Behavior Analysts (BCBA/BCaBA)

- Please submit resumes to [casey.loughrey@familyinsight.net](mailto:casey.loughrey@familyinsight.net)

### **ACCEPTING NEW CLIENTS – CONTACT US!**

Phone: Richmond (804-562-9997)

Roanoke (540-266-7550)

Virginia Beach (757-233-003)

Manassas (571-208-0592)

Email: [casey.loughrey@familyinsight.net](mailto:casey.loughrey@familyinsight.net)

Web: [familyinsight.net](http://familyinsight.net)

- 45 **Alcohol Consumption and the Virginia Tech Corps of Cadets: An Exploratory Field Study**  
Alexandra Bazdar, Ryan C. Smith, Ashley Underwood, and E. Scott Geller  
*Virginia Tech & The Virginia Tech Transportation Institute*
- 46 **Prompting Cashiers' Safety Behavior: An Investigative Field Study**  
Christopher Downing, Nicole Capriola, Justin Hall, and E. Scott Geller  
*Virginia Tech*
- 47 **Impact of Parental "Punishment" in High School on Alcohol Consumption among University Students**  
Ryan C. Smith, Alexandra Bazdar, and E. Scott Geller  
*The Virginia Tech Transportation Institute & Virginia Tech*
- 48 **AC4P Policing: An Application of Behavioral Science for Positive Law Enforcement**  
Ruth-Anne E. Poli, Keenan Twohig, Jeana L. Herring, Alexandra Bazdar, Devin Carter, Sharon Caughlin, and E. Scott Geller  
*Virginia Tech & The National Center for the Prevention of Community Violence*
- 49 **Developing a Bicycle Safety Intervention: Age and Gender Differences in Campus-Wide Observations**  
Jeana L. Herring, Micah Roediger, and E. Scott Geller  
*Virginia Tech*
- 50 **Using Social Identity to Promote Environmentally Responsible Behavior: Real-World Applications of Behavioral Science**  
Ruth-Anne E. Poli, Micah Roediger, Krista Schmidt, and E. Scott Geller  
*Virginia Tech*
- 51 **Self-Motivation among College Athletes: What Difference can a Coach Make?**  
Devin Carter, Peter Coiley, Micah Roediger, and E. Scott Geller  
*Virginia Tech*
- 52 **AC4P Policing: From Education/Training to Real-World Application**  
Keenan Twohig, Ruth-Anne E. Poli, Bryan Acton, Alexandra Bazdar, Jeana L. Herring, Bobby Kipper, and E. Scott Geller  
*Virginia Tech & The National Center for the Prevention of Community Violence*
- 53 **Time-Out as Escape from Rich-to-Lean Transitions**  
Elizabeth Parthum, Jeremy S. Langford, Billie Retzlaff, Raymond C. Pitts, and Christine E. Hughes  
*University of North Carolina Wilmington*
- 54 **Food- and Remifentanyl-Maintained Delayed Nonmatching to Sample: Absolute Reinforcer Magnitude Effects**  
Blake A. Hutsell and Matthew L. Banks  
*Virginia Commonwealth University*
- 55 **Determining the Onset of Derived Stimulus Relations: Insights from Two Paradigms**  
Kelly L. Roughgarden, Samantha E. Brenner, Madison L. Fox, and Adam H. Doughty  
*College of Charleston*

## Program Posters

- A Science, Skinner, and Surf: Master's Program at the University of North Carolina**  
Lea Crusen, Lyndsay Fairchild, Sarah Haney, and Christine E. Hughes  
*University of North Carolina Wilmington*
- B Behavior Analysis at West Virginia University**  
K. G. Anderson, R. A. Carroll, K. Kestner, E. G. E. Kyonka, K. A. Lattal, T. Nighbor, M. Perone, S. Subramaniam, and C. C. St. Peter  
*West Virginia University*

## Poster Presentations – Blueridge Ballroom

- 1 **Remembering and Adaptive Forgetting in Pigeons**  
Daniel Bell-Garrison and Elizabeth Kyonka  
*West Virginia University*
- 2 **Further Evaluation of Trial-Based Functional Analysis**  
Cassandra Standish, Cecilia Smith, Stephanie Teal, Margaret McCoy, and Cynthia Anderson  
*Appalachian State University*
- 3 **Environmental Enrichment for a Loggerhead Sea Turtle**  
Charmiska Jones, Alexis Fleming, Wilford White, and Amanda Mahoney  
*Savannah State University*
- 4 **Using Monetary Prize Bowl Draws to Increase Physical Activity in Adults**  
Kaitlyn Proctor, Amanda Devoto, Matthew Taylor, Heather Fleuriet, Grant Berry, Austin Franchino, Alura Lanoza, Haleigh Winbourne, and Wendy Donlin Washington  
*University of North Carolina Wilmington*
- 5 **Increasing Physical Activity Using Monetary Reinforcers: Effects on Smoking Topography**  
Heather Fleuriet, Lillian Hatcher, Kaitlyn Proctor, Haleigh Winbourne, Alura Lanoza, Austin Franchino, Grant Berry, and Wendy Donlin Washington  
*University of North Carolina Wilmington*
- 6 **The Effects of Gender on Sharing Behavior of Monetary Earnings**  
Stephanie Stilling  
*University of Pittsburgh at Johnstown*
- 7 **Misinformation and the Temporal Control of Human Behavior**  
Shrinidhi Subramaniam and Elizabeth Kyonka  
*West Virginia University*
- 8 **Using an Abbreviated Assessment to Compare the Effectiveness of Different Error-Correction Procedures on Skill Acquisition for Children with Autism Spectrum Disorder**  
Regina A. Carroll and Jessica Cheatham  
*West Virginia University*
- 9 **Effects of Paired and Individual Housing on Delay Discounting in Lewis and Fischer 344 Rats**  
Jenny Ozga, Marissa Turturici, and Karen G. Anderson  
*West Virginia University*
- 10 **Effects of Potentially Real and Hypothetical Outcomes on Delay Discounting for Food**  
Stephen Robertson and Erin B. Rasmussen  
*Idaho State University*
- 11 **Using Instructive Feedback to Increase Response Variability during Intraverbal Training for Children with Autism Spectrum Disorder**  
Jessica Cheatham and Regina A. Carroll  
*West Virginia University*
- 12 **Effects of Commission Errors on Treatment Integrity during Differential Reinforcement of Other Behavior**  
Gabrielle Mesches, Lucie Romano, and Claire St. Peter  
*West Virginia University*
- 13 **A Comparison of Interventions to Treat Emerging Refusal Topographies in a Child with a Feeding Disorder**  
Jessica Keane, Melanie H. Bachmeyer, Billie J. Klein, Courtney R. Mauzy, and Natasha M. Chamberlain  
*University of North Carolina Wilmington*
- 14 **Measurement and Validation of Measures for Risky and Delayed Food Choice**  
Luis R. Rodriguez Kelsie L. Hendrickson, and Erin B. Rasmussen  
*Idaho State University & San Antonio Military Medical Center*

- 15 **Examining the Social Validity of the Immediate Feedback Assessment Technique (IFAT) in College Students**  
Sherry Serdikoff and Alysia R. Potts  
*Savannah State University*
- 16 **Timeout and Sham Timeout from Positive Reinforcement**  
Cory Whirtley, Forrest Toegel, and Michael Perone  
*West Virginia University*
- 17 **A Method to Study the Effects of Advance Notice on Transition-Related Problem Behavior**  
Forrest Toegel, Cory Whirtley, and Michael Perone  
*West Virginia University*
- 18 **Preference for Reinforcement or Punishment during Token-Based Classroom Management Procedures**  
Lucie Romano, Kara Samaj, Claire St. Peter, Apral Foreman, Nicole Robinson, and Forrest Toegel  
*West Virginia University*
- 19 **Operant Blocking of Learning Japanese Words and Kanji in College Students**  
Stephanie da Silva, Rose Danek, Alison Algarin, Shannon Pillot, and Emily Murray  
*Columbus State University & Lyon College*
- 20 **A Strain Comparison of Operant Variability in Adolescence: Does the BALB/c Strain Model Invariant Responding in ASD?**  
Megan Arnold and Chris Newland  
*Auburn University*
- 21 **Baseline-Dependent Effects of D-Amphetamine on Operant Variations: A Strain Comparison**  
Megan Arnold and Chris Newland  
*Auburn University*
- 22 **Delayed Match-to-Position Performance in BALB/C and C57BL/6 Mice: Acute Effects of MK-801 and Clozapine Pretreatment**  
Andrew Shen, Derek Pope, and Chris Newland  
*Auburn University*
- 23 **Behavioral Differences between BALB/c and C57Bl/6 Mice: Reinforcement Eligibility Gradients as an Underlying Mechanism of Action**  
Derek Pope, Andrew Shen, and Chris Newland  
*Auburn University*
- 24 **Effects of MK-801 and SKF 38393 on Nose-Poking under Fixed-Interval Schedules with Concurrent Access to Water in BALB/C and C57 BL/6 Mice**  
Andrew Shen, Derek Pope, and Chris Newland  
*Auburn University*
- 25 **Age and Tau Expression Interact to Enhance Cognitive Deficits and Tau Phosphorylation**  
Sharay Setti, Holly Hunsberger, Daniel Weitzner, Carolyn Rudy, and Miranda Reed  
*Auburn University*
- 26 **Using a Match-to-Sample Procedure to Produce Emergent Relations between Elements on the Periodic Table**  
Karli Silverman and Josh Pritchard  
*Florida Institute of Technology*
- 27 **Utilizing Errorless Teaching Strategies to Teach Intraverbal Behavior**  
Erika Winnie  
*Carolina Center for Applied Behavior Analysis and Autism Treatment*
- 28 **Effects of Food-Related Cue Exposure on Discounting**  
Bailey Perschon and Erin B. Rasmussen  
*Idaho State University*
- 29 **Presence of Punctate Cues during Extinction Prevents Renewal by Overshadowing the Context**  
Ian Jacobs, Madeleine G. Mason, Morgan Gray, and James C. Denniston  
*Appalachian State University*
- 30 **Rapid Acquisition of Preference in Concurrent Chains: Effects of Oxycodone on Sensitivity to Reinforcement Amount**  
William Fetzner, Christine E. Hughes, and Raymond C. Pitts  
*University of North Carolina Wilmington*
- 31 **Effects of Methylphenidate on "Impulsive" Choice: Sensitivity to Amount or Sensitivity to Delay?**  
Lauren McCaslin, Christine E. Hughes, and Raymond C. Pitts  
*University of North Carolina Wilmington*
- 32 **The Response-Reinforcer Relation in Maintenance under Delay-of-Reinforcement Conditions across Several Day Sequences**  
Tyler Nighbor, Jenny E. Ozga, Kennon A. Lattal, and Karen G. Anderson  
*West Virginia University*
- 33 **Impaired Multiple-T Maze Acquisition in Male Rats with Neonatal Ethanol Exposure**  
Andrew Hawkey, Logan Fields, Megan Carter, and Susan Barron  
*University of Kentucky*
- 34 **Behavior in Transition: Interactions between Concurrent DRL and DRO Schedules**  
Allison Hott, Tyler D. Nighbor, and Kennon A. Lattal  
*West Virginia University*
- 35 **The Effects of Alcohol-Related Priming on the Expression of Relational Aggression**  
Connor Ondriczek and Jessica Brooks  
*Georgia Southern University*
- 36 **Resurgence during Local Extinction Periods following a VI to FI Schedule Transition**  
Christian Yensen, Tyler D. Nighbor, and Kennon A. Lattal  
*West Virginia University*
- 37 **Attentional Biases towards Facial Expressions in Individuals with Depression: A Review of the Eye-tracking Literature**  
Emily Mohr  
*Appalachian State University*
- 38 **Delay Discounting in the Pigeon**  
D. Holt, J. M. Brown, V. Cousins, R. B. Krause, T. W. Livesay, M. J. Phelan, N. Reza, A. Rivero, R. D. Skytta, M. R. Wolf, and A. Woolsey  
*James Madison University*
- 39 **Training Enclosure Size Affects Spatial Orientation by Principal Axis of Space**  
Spencer Price, Gregory Sullens, Kent D. Bodily, and Bradley R. Sturz  
*Georgia Southern University*
- 40 **Hunters and Gatherers: Moving Stimuli and Sex Differences in a Monkey Autoshaping Task**  
Nathaniel Rice, Jennifer Makar, and Todd Myers  
*US Army Medical Research Institute of Chemical Defense*
- 41 **Development and Characterization of a Behavioral Assessment Platform for the Göttingen Minipig**  
Jeffrey Langston, Bradley M. Burgan, Jennifer R. Makar, and Todd M. Myers  
*US Army Medical Research Institute of Chemical Defense*
- 42 **Comparing Breakpoints between White-Crowned Pigeons and Rock Doves on a Progressive Ratio Schedule**  
Teraesa Manning, Daniel Bell-Garrison, and Elizabeth G. E. Kyonka  
*West Virginia University*
- 43 **An Automated Version of the Rodent Odor Span Task**  
Madeleine G. Mason, Andrew Caliri, Katherine Dyer, Katrina Gobenciong, Angela Goolsby, Samantha Hess, Michael J. Mathews, Catharine Nealley, Katherine E. Bruce, and Mark Galizio  
*University of North Carolina Wilmington*
- 44 **Keeping up the Conversation: Emergent Patterns of Verbal Behavior during Team Problem Solving**  
Rebecca Wiegmann and Jeana Herring  
*Virginia Tech*