

## **Anthony N. Nist, Ph.D.**

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### **EDUCATIONAL HISTORY**

#### **Doctor of Philosophy, Psychology (Behavior Analysis)**

Utah State University, Logan, UT, August, 2023

Dissertation: Evaluating the Effects of Ketamine on Cognitive Flexibility in Rats Using a Probabilistic Reversal Learning Task

Dissertation Chair: Timothy A. Shahan, Ph.D.

#### **Bachelor of Arts, Psychology**

University of Nevada, Reno, NV, December 2016

#### **Associate of Arts**

Sierra College, Rocklin, CA, December 2013

### **PROFESSIONAL POSITIONS**

- Oct. 2023 – Present**      **Postdoctoral Associate – Addiction Recovery Research Center,**  
Fralin Biomedical Research Institute at VTC, Roanoke, VA  
Supervisor: Warren K. Bickel, Ph.D.
- Aug. 2022 – Aug. 2023**    **Graduate Instructor – Analysis of Behavior: Basic Principles,**  
Utah State University, Logan, UT  
Supervisor: Gregory J. Madden, Ph.D.
- Aug. 2021 – May 2022**    **Graduate Teaching Assistant – Research Methods in Psychology,**  
Utah State University, Logan, UT  
Supervisor: Crissa Levin, Ph.D.
- Aug. 2018 – May 2023**    **Graduate Research Assistant**  
Utah State University, Logan, UT  
Supervisor: Timothy A. Shahan, Ph.D.
- May 2017 – July 2018**    **Registered Behavior Technician**  
Alliance Family Services, Reno, NV  
Supervisor: Shannon Burrell, M.Ed., BCBA
- Jan. 2017 – May 2018**    **Teaching Assistant, Psychology 101**  
University of Nevada, Reno, NV  
Supervisor: Ramona A. Houmanfar, Ph.D.
- Aug. 2016 – Dec. 2016**    **Undergraduate Proctor, Psychology 101**  
University of Nevada, Reno, NV  
Supervisor: Ramona A. Houmanfar, Ph.D.
- Aug. 2015 – May 2018**    **Undergraduate Research Assistant**  
University of Nevada, Reno, NV  
Supervisor: Matthew L. Locey, Ph.D.

### **AWARDS & GRANTS**

- March 2021**      **Anthony LaPray Scholarship,**  
Department of Psychology, Utah State University, Logan, UT

- Dec. 2020**                      **Society for the Advancement of Behavior Analysis Senior Student Presenter Grant**, Association for Behavior Analysis International
- Dec. 2019**                      **Society for the Advancement of Behavior Analysis Senior Student Presenter Grant**, Association for Behavior Analysis International
- Aug. 2018 – May 2022**      **Presidential Doctoral Research Fellowship**, Utah State University, Logan, UT

## **CERTIFICATIONS**

- May 2022**                      **Certificate in Advanced Research Methods and Quantitative Analysis**, Utah State University, Logan, UT

## **PROFESSIONAL ACTIVITIES**

### **Peer-Reviewed Publications**

- Nist, A. N.**, Walsh, S. J., & Shahan, T. A. (under review). Ketamine produces no detectable long-term positive or negative effects on cognitive flexibility or reinforcement learning of male rats. *Psychopharmacology*
- Nist, A. N.**, & Shahan, T. A. (2023). Examining resurgence in rats following expanded-operant treatments. *Journal of the Experimental Analysis of Behavior*, 120(2), 186-203. <https://doi.org/10.1002/jeab.870>
- Shahan, T. A., Sutton, G. M., **Nist, A. N.**, & Davison, M. (2023). Aversive control versus stimulus control by punishment. *Journal of the Experimental Analysis of Behavior*, 119(1), 104-116. <https://doi.org/10.1002/jeab.805>
- Browning, K. O., Sutton, G. M., **Nist, A. N.**, & Shahan, T. A. (2022). The Effects of Large, Small, and Thinning Magnitudes of Alternative Reinforcement on Resurgence. *Behavioural Processes*, 195, 104586. <https://doi.org/10.1016/j.beproc.2022.104586>
- Nist, A. N.**, & Shahan, T. A. (2021). The Extinction Burst: Impact of reinforcement time and level of analysis on measured prevalence. *Journal of the Experimental Analysis of Behavior*, 116(2), 131-148. <https://doi.org/10.1002/jeab.714>
- Sutton, G. M., **Nist, A. N.**, Nall, R. W., Browning, K. O., & Shahan, T. A. (2021). Resurgence of alcohol seeking following abstinence induced by punishment in male and female rats. *Behavioral Brain Research*, 410(23), 113345. <https://doi.org/10.1016/j.bbr.2021.113345>
- Nist, A. N.**, & Shahan, T. A. (2021). Resurgence and Repeated Within-Session Progressive-Interval Thinning of Alternative Reinforcement. *Journal of the Experimental Analysis of Behavior*, 115(2), 442-459. <https://doi.org/10.1002/jeab.672>
- Shahan, T. A., Browning, K. O., **Nist, A. N.**, & Sutton, G.M. (2020). Resurgence and Downshifts in Alternative Reinforcement Rate. *Journal of the Experimental Analysis of Behavior*, 114(2), 163-178. <https://doi.org/10.1002/jeab.625>

### **Presentations**

- Nist, A.N.**, & Shahan, T.A. Examining resurgence in rats following expanded-operant treatments. Paper presented at the Association for Behavior Analysis International Annual Conference, Denver, CO, May, 2023.
- Nist, A.N.** & Shahan, T.A. Resurgence and repeated within-session progressive-interval thinning of alternative reinforcement. Paper presented at the Association for Behavior Analysis International Annual Conference, San Francisco, CA, May 2021 (virtual).

- Nist, A.N. & Shahan, T.A. Resurgence and repeated within-session progressive-interval thinning of alternative reinforcement. Paper presented at the annual Utah State University Student Research Symposium, Logan, UT, April 2021 (virtual).
- Nist, A.N. & Shahan, T.A. Effects of progressive-interval schedules of alternative reinforcement on resurgence (Poster). Society for the Quantitative Analysis of Behavior Annual Conference, Chicago, IL, May 2019.
- Nist, A.N., Locey, M.L., & Ruff, E.M. Music and social discounting (Poster). Association for Behavior Analysis International Annual Conference, San Diego, CA, May 2018.
- Nist, A.N., Locey, M.L., & Ruff, E.M. Music and social discounting (Poster). Nevada Association for Behavior Analysis Annual Conference, Reno, NV, October 2017.

### **Reviewer for Professional Journals**

Journal of the Experimental Analysis of Behavior  
Pharmacology, Biochemistry, and Behavior

### **Membership in Professional Organizations**

**Fall 2016 – Present** Nevada Association for Behavior Analysis  
**Spring 2017 – Present** Association for Behavior Analysis International  
**Spring 2019 – Present** Society for the Quantitative Analysis of Behavior

### **Experiences**

- April 2021** **Judge, California State University Student Research Competition**  
California State Polytechnic University, Pomona, CA (virtual)  
Duties: review written research summaries, attend presentations, and provide scores and constructive feedback to undergraduate and graduate student participants.
- March 2021** **Reviewer, Undergraduate Research and Creative Opportunities Grant Program, Utah State University, Logan, UT**  
Duties: Review, score, and provide constructive feedback for undergraduate grant submissions. Provide a decision as to whether proposal should be funded or not.
- November 2020** **Reviewer, Undergraduate Research and Creative Opportunities Grant Program, Utah State University, Logan, UT**  
Duties: Review, score, and provide constructive feedback for undergraduate grant submissions. Provide a decision as to whether proposal should be funded or not.
- July 2019** **Reviewer, Undergraduate Research and Creative Opportunities Grant Program, Utah State University, Logan, UT**  
Duties: Review, score, and provide constructive feedback for undergraduate grant submissions. Provide a decision as to whether proposal should be funded or not.
- April 2019** **Judge, Student Research Symposium, Utah State University, Logan, UT**  
Duties: Attend student presentations and provide relevant, constructive feedback.
- August 2017** **Liberal Arts-FIT Mentor** for NevadaFIT program at University of Nevada, Reno, NV  
Duties: mentor a group of seven incoming freshmen for a week-long, for class-credit, boot-camp style course. Teach time management skills and productive study habits. Answer student questions about university life, and introduce

students to resources on campus.

Supervisors: Krisi K Van Gorder, M.A. and Genevieve M. DeBernardis, Ph.D.

**August 2016**

**PsychFIT Mentor** for NevadaFIT program at University of Nevada, Reno, NV

Duties: mentor a group of five incoming freshmen for a week-long, for class-credit, boot-camp style course. Teach time management skills and productive study habits. Answer student questions about university life, and introduce students to resources on campus.

Supervisor: Genevieve M. DeBernardis, Ph.D.