



---

## EDUCATION

- 2015** University of North Carolina Chapel Hill  
Ph.D. in Neurobiology
- 2011** University of North Carolina Wilmington  
M.A. in Psychology
- 2008** James Madison University  
B.S. in Psychology (major) and Statistics (minor)

---

## PROFESSIONAL POSITIONS

- 2022 – Huck Early Career Chair in Neurobiology & Neural Engineering  
2020 – Assistant Professor, Departments of Biology and Biomedical Engineering, Penn State
- PSU Affiliations: Center for Neural Engineering; Center for Neurotechnology in Mental Health Research; Center for the Molecular Investigation of Neurological Disorders Center for Healthy Aging; The Huck Institutes of the Life Sciences; College of Medicine
- PSU Grad Programs: Neuroscience Graduate Program; Biomedical Engineering Graduate Program; Molecular, Cellular, and Integrative Biosciences Graduate Program (MCIBs); Integrative and Biomedical Physiology Graduate Program; Medical Scientists Training Program (MD/PhD program through PSU College of Medicine)
- Previous Positions:
- 2018 – 2020 Assistant Research Professor, Department of Biobehavioral Health, PSU  
2016 – 2018 Postdoctoral Fellow, Department of Biology, Penn State University  
2009 – 2011 Post-baccalaureate Intramural Research Training Award Fellow, National Institute on Alcohol Abuse and Alcoholism, NIH  
2008 Post-baccalaureate Intramural Research Training Award Fellow, National Institute on Environmental Health Science, NIH

---

## PUBLICATIONS [PubMed](#) [Google Scholar](#)

29. Griffith & **Crowley [corresponding author]**. An innovative approach to examining the role of neurotransmitters in fear circuitry. *Neuropsychopharmacology*.
28. **Crowley** & Medina **[corresponding author]** (2022). Targeted and transient opening of the blood brain barrier in discrete neurocircuits and brain regions. *Neuropsychopharmacology*
27. Suresh Nair, Dao, Lopez Melean, Griffith, Duerr, Starnes, Moyer, Sicher, Brockway, & **Crowley [corresponding author]** (2022). Somatostatin neurons in the bed nucleus of the stria terminalis play a sex-dependent role in binge drinking. *Brain Research Bulletin*
26. Sicher, Duerr, Starnes, & **Crowley [corresponding author]** (2022). Adolescent alcohol and stress exposure rewires key cortical neurocircuitry. *Frontiers in Neuroscience*
25. **Crowley** & Joffe **[co-corresponding authors]** (2021). Developing breakthrough psychiatric treatments by modulating G protein-coupled receptors on prefrontal cortex somatostatin interneurons. *Neuropsychopharmacology*
24. Dao, Brockway, Suresh Nair, Sicher, & **Crowley [corresponding author]** (2021). Somatostatin neurons control an alcohol binge drinking prelimbic microcircuit in mice. *Neuropsychopharmacology*
  - Received the ACNP NEECA for best Early Career Paper of 2021

- See also: *Neuropsychopharmacology Research Highlight on this work:*  
<https://www.nature.com/articles/s41386-021-01103-5>
23. McSweeney, **Crowley**, Deng, Jian, Zou, Shi, Vitale, Liu, Luscher, & Mao (2020). An exon junction complex factor, RBM8a, is required for normal interneuron development. *Translational Psychiatry*
  22. Brockway & **Crowley [corresponding author]** (2020). Turning the ‘tides on neuropsychiatric diseases: the role of peptides in the prefrontal cortex. *Frontiers in Behavioral Neuroscience*
  21. Dao, Nair, Magee, Moyer, Sendao, Brockway, & **Crowley [corresponding author]** (2020). Forced Abstinence from alcohol induces sex-specific depression-like behavior and neural adaptations in somatostatin neurons in cortical and amygdalar regions. *Frontiers in Behavioral Neuroscience*
  20. Torruella-Suarez, Vandenberg, Cogan, Tipton, Teklezghi, Dange, Patel, McHentry, Hardaway, Kantak, **Crowley**, DiBerto, Faccidomo, Hodge, Stuber, & McElligott (2020) Manipulation of central amygdala neurotensin neurons alter the consumption of rewarding fluids in mice. *Journal of Neuroscience*
  19. Dao, Brockway, & **Crowley [corresponding author]** (2019). In vitro optogenetic characterization of neuropeptide release from prefrontal cortical somatostatin neurons. *Neuroscience*
  18. **Crowley [corresponding author]**, Magee, Bourcier, Dao, & Lowery-Gionta (2019). Animal models of alcohol use disorders and the brain: from casual drinking to dependence. *Translational Issues in Psychological Sciences*
  17. Feng, **Crowley**, Patel, Guo, Bugni, & Luscher (2019). Reversal of a treatment-resistant, depression- related brain state with the Kv7 channel opener retigabine. *Neuroscience*
  16. **Crowley**, Magee, Feng, Jefferson, Morris, Dao, Brockway, & Luscher (2019). An antidepressant dosage of ketamine normalizes binge drinking-induced defects in glutamatergic synaptic transmission and ethanol drinking behavior. *Neuropharmacology*
  15. Lowery-Gionta\*, **Crowley\* [Co-First Authorship]**, Bukalo\*, Silverstein, Holmes, & Kash (2018). Chronic stress dysregulates amygdalar output to the prefrontal cortex. *Neuropharmacology*
  14. Caruso, **Crowley**, Reiss, Caulfield, Luscher, Cavigelli, & Kamens (2018). Adolescent social stress increases anxiety-like behavior and alters synaptic transmission, without influencing nicotine responses, in a sex-dependent manner. *Neuroscience*
  13. **Crowley**, Bloodgood, Hardaway, Kendra, McCall, Al-Hasani, McCall, Yu, Schools, Krashes, Lowell, Whistler, Bruchas, & Kash (2016). Dynorphin controls the gain of an amygdalar anxiety circuit. *Cell Reports*
  12. Al-Hasani, McCall, Shin, Gomez, Schmitz, Bernardi, Pyo, Park, Marcinkiewicz, **Crowley**, Krashes, Lowell, Kash, Rogers, & Bruchas (2015). Distinct subpopulations of nucleus accumbens dynorphin neurons drive aversion and reward. *Neuron*
  11. Pleil, Lowery-Gionta, **Crowley**, Li, Marcinkiewicz, McCall, Maldonado-Devincci, Morrow, & Kash (2015). Effects of chronic ethanol exposure on neuronal function in discrete regions of the prefrontal cortex and extended amygdala. *Neuropharmacology*
  10. Vardy, Robinson, Li, Olsen, DiBerto, Sassano, Huang, Zhu, Urban, Rittiner, **Crowley**, Pleil, Song, Kash, Malanga, Krashes, & Roth (2015). A DREADD for multiplexing chemogenetic interrogation of neural circuits. *Neuron*
  9. **Crowley** & Kash (2015). Kappa opioid receptor signaling throughout the brain: Involved circuitry and implications for treatment. *Progress in Neuro-psychopharmacology and Biological Psychiatry*
  8. Hardaway\*, **Crowley\* [Co-First Authorship]**, Bulik, & Kash (2015). Integrated circuits and molecular components for stress and feeding: Implications for eating disorders. *Genes, Brains, and Behavior*.
  7. Kash, Pleil, Marcinkiewicz, Lowery-Gionta, **Crowley**, Mazzone, Sugam, Hardaway, & McElligott (2014). Neuropeptide signaling in the BNST. *Molecules and Cells*
  6. Masneuf\*, Lowery-Gionta\*, Colacicco, Pleil, Li, **Crowley**, Stamatakis, Flynn, Holmes, & Kash (2014). Glutamatergic mechanisms associated with stress-induced amygdala excitability and anxiety related behavior. *Neuropharmacology*
  5. DePoy, Daut, Wright, Camp, **Crowley**, Noronha, Lovinger, & Holmes (2014). Chronic alcohol alters reward behaviors and striatal plasticity. *Addiction Biology*
  4. Parisiadou, Yu, Sgobio, Xie, Lui, Sun, Gu, Lin, **Crowley**, Lovinger, & Cai (2014). LRRK2 regulates synaptogenesis and dopamine receptor activation of striatal projection neurons through modulation of PKA activity. *Nature Neuroscience*

3. **Crowley**, Cody, Davis, Lovinger, & Mateo (2013). Chronic methylphenidate exposure during adolescence reduces striatal synaptic responses to ethanol. *European Journal of Neuroscience*
2. Depoy, Daunt, Brigman, MacPherson, **Crowley**, Gunduz-Cinar, Pickens, Cinar, Saksida, Kunos, Lovinger, Bussey, Camp, & Holmes (2013). Chronic alcohol produces neuroadaptations to prime striatal learning. *Proceedings of the National Academy of Sciences*
1. Mathur, **Capik**, Alvarez, & Lovinger (2011). Serotonin-mediated competitive long-term depression at corticostriatal synapses. *Journal of Neuroscience* // paper published under maiden name

---

## **PUBLICATIONS – SUBMITTED/IN REVISION/PREPRINTS**

- [XX] Fleeman, Snyder, Kuhn, Chan, Smith, **Crowley**, Arnold, & Proctor. Predictive link between systemic metabolism and cytokine signaling in the brain of Apolipoprotein ε4 mice. *In revision, Neurobiology of Aging*
- [XX] Sicher, Starnes, Griffith, Dao, Smith, Brockway, & **Crowley [corresponding author]**. Adolescent binge drinking leads to long-lasting changes in cortical microcircuits in mice. *Submitted, available on BioRxiv*
- [XX] Brockway, Moyer, Aloimonos, Clarity, Griffith, Smith, Dao, Hossain, Drew, Gordon, Kupferschmidt & **Crowley [corresponding author]**. Somatostatin peptide signaling dampens cortical circuits and Promotes exploratory behavior. *Available on BioRxiv*

---

## **FUNDING**

### **CURRENT FUNDING**

**R01 NIAAA/NIH** (Award #R01AA029403-01A1) 2022-2027 total: \$1,604,953  
*Prelimbic somatostatin peptide signaling in binge ethanol consumption*  
Role: PI (Co-I: Patrick Drew, PSU Engineering Science and Mechanics)

**Benkovic Research Initiative** 2022-2023 total year 1: \$150,000  
*Novel methods for non-invasive neuropeptide administration to the brain*  
Role: PI (Co-PI: Scott Medina, PSU Biomedical Engineering)

**P60 NIAAA/NIH** (Award #P50AA017823) 2021-2023 subaward total: \$140,700  
Binghamton University Developmental Exposure to Alcohol Research Center  
*Title: Impact of Adolescent Alcohol on Prefrontal Circuits*  
Role: PI of PSU subaward (Binghamton on-site co-PI: David Jentsch)

**R21 NIAAA/NIH** (Award# AA028088-01) 2020-2022 total: \$392,244  
*Title: Investigation of a novel prelimbic cortical peptidergic population in binge drinking behavior*  
Role: PI

**NIH Office of the Director** (Administrative Supplement #AA028088-02S1) 2021-2023 total: \$80,250  
*Investigation of a novel prelimbic cortical peptidergic population in binge drinking behavior*  
Role: PI

**NIAAA/NIH** 2019-2023  
National Institutes of Health LRP (2<sup>nd</sup> renewal award)  
*Investigation of key pathways modulated by juvenile chronic variable social stress*  
Role: PI

---

### **SUBMITTED FUNDING**

**R01 NIAAA/NIH** 2023-2028 total requested: \$3,803,440  
*Developmental alcohol and cortical microcircuits across the lifespan*  
Role: contact PI (MPI: Nanyin Zhang, PSU Biomedical Engineering)

R01 Administrative Supplement (Parent Award R01 AA029403-01A1) total requested: \$304,172  
*Prelimbic somatostatin peptide signaling in binge ethanol consumption*  
*Submitted under (NOT-AG-22-025) Alzheimer's-Focused Administrative Supplements for NIH Grants that are Not Focused on Alzheimer's Disease*  
Role: PI (Co-I: Patrick Drew, PSU Engineering Science and Mechanics; Martin Sliwinski, PSU Human Development and Family Studies; Elizabeth Proctor, PSU College of Medicine)

---

## **GRADUATE STUDENT-LED FUNDING**

**F31 NRSA NIAAA/NIH** (Award #F31AA0304550-01) 2022-2025 total: \$142,452  
*Investigating the effects of adolescent binge drinking on prefrontal somatostatin circuitry*  
PI: Avery Sicher, Neuroscience PhD Program  
Role: Sponsor. Co-Sponsor: Dr. Patrick Drew. Impact Score: 30.

**T32 Award NINDS/NIH** Cross-Disciplinary Neural Engineering (Award # T32NS115667) 2022-2024  
PI: Md Shakhawat Hossain, Biomedical Engineering PhD Program  
Role: Co-Mentor. Primary Mentor: Dr. Patrick Drew

**T32 Award NIGMS/NIH** Physiological Adaptations to Stress (Award #T32GM108563) 2021-2023  
PI: Avery Sicher, Neuroscience PhD Program  
Role: Mentor  
*Second year declined to accept F31 NRSA funding*

---

## **COMPLETED FUNDING**

**The Brain and Behavior Research Foundation** 2019-2022  
NARSAD Young Investigator Award (Award #27200) total:  
*Title: Investigating the role of prefrontal somatostatin neurons in binge ethanol consumption*  
Role: PI

**Penn State Consortium to Combat Substance Abuse** 2019-2021  
*Investigation of key opioid pathways modulated by adolescent chronic variable social stress*  
Role: PI

**NIAAA/NIH** 2017-2019  
National Institutes of Health LRP Awardee  
*Investigation of Key Pathways Modulated by Juvenile chronic variable social stress*  
Role: PI

**Penn State Social Science Research Institute** 2016-2019  
*Investigation of the role of somatostatin neurons in alcohol consumption*  
Role: PI

**UNC School of Medicine** 2015  
Dissertation Completion Fellowship  
Role: Fellow  
Awarded at the recommendation of the Graduate School for Excellence in Research

**NIAAA/NIH NRSA** (Award #1F31AA022280-01) 2013-2015  
Ruth L. Kirschstein NRSA  
*Alcohol Regulation of kappa opioid receptor systems in the extended amygdala*  
Role: Fellow (Mentors: Dr. Thomas Kash, Dr. David Lovinger)

**National Institute on Alcohol Abuse and Alcoholism**  
*June 2009-August 2011*  
Intramural Research Training Award  
Role: Fellow

## National Institute of Environmental Health Sciences

May 2008-September 2008

Intramural Research Training Award

Role: Fellow

---

### INVITED PRESENTATIONS, SEMINARS, ETC.

- 2023** (scheduled) Department of Neurobiology & Anatomy, Drexel University, Philadelphia PA, March 2023
- 2022** (scheduled) Annual Meeting of the American College of Neuropsychopharmacology (ACNP)  
December 2022
- Medical Scientists Training Program, PSU College of Medicine, Hershey PA, October 2022
- Department of Nutrition seminar series, PSU University Park PA, October 2022
- Medical University of South Carolina Addiction Research Seminar Series (joint with  
Department of Neuroscience). Charleston SC, October 2022
- Department of Kinesiology seminar series, PSU University Park PA, September 2022
- Center for Biodevices, PSU University Park PA, September 2022
- B. Brodie Lectureship in Pharmacology, PSU College of Medicine, Hershey PA, March 2022
- National Institute on Mental Health, Bethesda MD, March 2022
- Department of Biomedical Engineering seminar series. PSU University Park PA, February 2022
- 2021** Uniformed Services University of the Health Sciences (US Army Medical School), Bethesda MD,  
November 2021
- Molecular, Cellular, and Integrative Biosciences Annual Retreat, PSU University Park PA, August 2021
- Center for Neural Engineering, PSU University Park PA, April 2021
- 2020** Developmental Exposure Alcohol Research Center (DEARC) Binghamton University, Binghamton NY,  
November 2020
- University of Delaware Neuroscience Group. September 2020
- Penn State Addiction Center for Translation, Hershey PA, January 2020
- 2019** Integrative Neuroscience Research Center Seminar, Marquette University, Milwaukee WI October 2019  
Department of Biology, Pennsylvania State University, University Park, PA. November 2019.
- 2018** Department of Biobehavioral Health, University Park, PA. March 2018  
Guest speaker at Westfield High School, Chantilly, VA. November 2018
- 2017** Center for the Investigation of Neurological Disorders Annual Retreat, University Park, PA. June 2017
- 2016** Symposium at the Second Annual Penn State Addiction Symposium, Hershey, PA. December 2016  
Center for the Investigation of Neurological Disorders Annual Retreat, University Park, PA. 2016  
Center for the Investigation of Neurological Disorders Symposia, University Park, PA. 2016
- 2015** Symposium at the annual meeting on the Therapeutic Potential of Kappa Opioids in Pain  
and Addiction, Chapel Hill, NC. 2015
- 2014** Arizona State University, Phoenix, AZ. 2014  
Nanosymposium, Annual Meeting for the Society for Neuroscience, Washington, DC. 2014

---

## TEACHING & MENTORING ACTIVITIES

---

### SUPERVISION OF STUDENTS AND FELLOWS

#### Post-Doctoral Fellows

Dr. Laurel Seemiller      PhD in Molecular, Cellular, and Integrative Biosciences      2022-present

#### Graduate Students (Primary Mentor)

Grace Smith      Biomedical Engineering PhD Program      2022-present

*PSU University Graduate Fellow (awarded to 100 students per year)*

Avery Sicher      Neuroscience PhD Program      2020-present

*Huck Graduate Fellow*

Dakota Brockway      Neuroscience PhD Program      2018-present

*Huck Graduate Fellow*

#### Graduate Students (Rotation Mentor)

Gretchen Pifer      Biology (PI: Kwapis)      2022

Haley Guffey      Integrative and Biomedical Physiology PhD Program      2022

Doris Olekanma      Neuroscience PhD Program      2022

Spencer Chase      Neuroscience PhD Program      2022

Julio Flores Caudra      Neuroscience PhD Program      2022

Farzad Azarmi      Bioengineering PhD Program (PI: Zhang)      2022

Kathleen Meeks      Neuroscience PhD Program (PI: Geier)      2021

#### Graduate Students (Dissertation Committee Member)

Chad Brunswick      Neuroscience (PI: Kwapis)      2022-present

Chad Smies      Biology (PI: Kwapis)      2022-present

Md Shakhawat Hossain      Bioengineering (PI: Drew)      2021- present

*(co-mentored by Crowley for CDNE T32)*

Lauren Bellfy      MCIBS (PI: Kwapis)      2021- present

Tong Jiang      Biology (PI: Luscher)      2021-present

Laurel Seemiller      MCIBS (PI: Gould)      2020- 2022

#### Undergraduate Student (Primary Mentor)

Obi Nnabugwu      Biomedical Engineering (Clark Scholar)      2022=present

Renee Laurenzana      Biological Sciences (SROP through Cal State San Marcos)      2022

Andrew Kacala      Biology (Schreyer Honors College)      2021-present

Nicole Lookfong      *summer student mentored with Dr. Yuval Silberman*      2021

Daniela Lopez Melean      Biology (Millennium Scholar)      2019-present

David Starnes      Biology (Schreyer Honors College)      2019-present

Corey Zimmer      Biobehavioral Health      2019-present

Brody Moyer      Biochemistry and Molecular Biology      2018-present

Veronica Sendao      Chemistry      2018-present

Malini Suresh Nair      Biology      2018-2019

Currently: medical student, Wake Forest

Sarah Magee      Biology (Millennium Scholar)      2016-2019

Currently: Neuroscience PhD Program, UNC

Alexandre Bourcier      Biology (Schreyer Honors College)      2016-2019

Currently: medical student, UCLA

#### Other previous trainees

Grace Smith      Research Technician      2021-2022

Currently: PSU Biomedical Engineering PhD program

Nigel Dao      Research Technician      2018-2021

Currently: NYU PhD program (PI: Adam Carter)

Malini Suresh Nair      Research Technician      2020-2021

Currently: Wake Forest Medical School MD Program

High School Students (Health Professions Department, State College High School, Supervised in conjunction with Ms. Kathleen Seeland)

Lydia Fry                                      Currently: undergraduate student                                      2020-2021  
University of Colorado

---

**UNDERGRADUATE STUDENT-LED FUNDING**

2022	Engineering Equity Scholar's Program Awarded to Obi Nnabugwu (Crowley: faculty mentor)	\$3,500
	Schreyer Honor's College Summer Research Fund Awarded to David Starnes (Crowley: faculty mentor)	\$750
	Schreyer Honor's College Summer Research Fund Awarded to Andrew Kacala (Crowley: faculty mentor)	\$750
2021	Eberly Undergraduate Research Support (2021) Awarded to David Starnes (Crowley: faculty mentor)	\$1,000
	Erickson Award Awarded to Brody Moyer (Crowley: faculty mentor)	\$3,500
	Student Engagement Network Awarded to David Starnes (Crowley: faculty mentor)	\$2,000
	Schreyer Honor's College Summer Research Fund Awarded to David Starnes (Crowley: faculty mentor)	\$750
2019	Student Engagement Network (SEN) Awarded to Malini Suresh Nair (Crowley: faculty mentor)	\$1,000
	Anita M. Collins Undergraduate Research Fund Awarded to Malini Suresh Nair (Crowley: faculty mentor)	\$478
	Rock Ethics Institute Rise Up Award Awarded to Alexandre Bourcier (Crowley: faculty mentor)	\$1,000
	Anita M. Collins Undergraduate Research Fund Awarded to Alexandre Bourcier (Crowley: faculty mentor)	\$1,800
	Schreyer Honor's College Summer Research Fund Awarded to Alexandre Bourcier (Crowley: faculty mentor)	\$1,800
	Edward C. Hammond Jr. Memorial Scholarship Awarded to Alexandre Bourcier (Crowley: faculty mentor)	\$2,000

---

**TEACHING EXPERIENCE**

COURSE INSTRUCTOR OF RECORD

2021-2022      Neuro521 Systems Neuroscience Course Director & Instructor  
*Received 7/7 on all SRTE questions for 2021 course*  
2020              Neuro521 Systems Neuroscience

GUEST LECTURES

2022              Training Faculty, Cross Disciplinary Neural Engineering T32 (weekly meetings/ 1-2 lectures per semester)  
2022              Neuro 590 (PSU College of Medicine) (one lecture per semester)  
2021-2022      Engineering/Neuro 526 Cellular and Molecular Neuroscience (multiple lectures each year)  
Graduate course, Instructor of record: Dr. Patrick Drew  
2016-2021      BIO/BBH 469: Neurobiology (multiple lectures each year)  
Undergraduate course, Instructors of record: Dr. Beni Luscher,

2016-2021 BIO/BBH 470: Functional and Integrative Neuroscience (multiple lectures each year)  
Undergraduate course, Instructors of record: Dr. David Vandenberg, Dr. Janine Kwapis,  
Dr. Nina Lauharatanahirun

---

## AWARDS & HONORS

- 2022 **Neuropsychopharmacology Editors Early Career Award (NEECA)**  
*Selected as the top paper published in NPP in the previous year by the Editors*  
American College on Neuropsychopharmacology (ACNP)  
**American College on Neuropsychopharmacology (ACNP)**  
Senior Investigator Travel Award Recipient (*provides financial support for 2022 meeting*)
- 2021 **American College on Neuropsychopharmacology (ACNP)**  
Senior Investigator Travel Award Recipient (*provides financial support for 2021 meeting and allows for attendance at 2022-2025 meetings*)
- 2019 **NIH Center for Scientific Review**  
Early Career Reviewer Program (NAL – October 2019)  
**Neuroscience**  
Journal cover art selection (*Issue #419C*)
- 2018 **NARSAD Young Investigator Award**  
Brain and Behavior Research Foundation (*funding 01/2019-01/2021*)
- 2017 **Nominee, 2017 Dean's Climate and Diversity Award**  
Awarding Organization: Eberly College of Science, Penn State University
- 2014 **Best Poster Award**  
Awarding Organization: *International Congress on Alcoholism and Stress*
- 2013 **Student Merit Award**  
Awarding Organization: *Research Society on Alcoholism*  
**Ruth L. Kirschstein National Research Service Award**  
Awarding Organization: *National Institute on Alcohol Abuse and Alcoholism*
- 2012 **Student Merit Award**  
Awarding Organization: *Research Society on Alcoholism*
- 2010 **Graduate Research Award**  
Awarding Organization: *University of North Carolina – Wilmington*  
**Student Merit Award**  
Awarding Organization: *Research Society on Alcoholism*
- 2008 **Award for Outstanding Undergraduate Scholarship**  
Awarding Organization: *James Madison University Department of Psychology*  
**Travel Award**  
Awarding Organization: *Association for Behavior Analysis – International*
- 2007 **Best Poster Award**  
Awarding Organization: *Eastern Psychological Association*  
**Award for Outstanding Undergraduate Scholarship**  
Awarding Organization: *James Madison University Department of Psychology*  
**Travel Award**  
Awarding Organization: *Association for Behavior Analysis – International*
- 2006 **Award for Outstanding Undergraduate Scholarship**  
Awarding Organization: *James Madison University Department of Psychology*

---

## SERVICE & OUTREACH

### EXTERNAL

- 2022 NIH Reviewer (Study Section: Special Emphasis Panel [ZAA1 DD (04)]) 3/2022; 11/2022  
2022 Reviewer, Swiss National Science Foundation  
2021 NIH Reviewer (Study Section: Special Emphasis Panel [ZAA1 DD (04)])



2019 Early Career Reviewer, NIH Center for Scientific Review (Study Section: NAL)  
2017 Guest speaker, Westfield High School, Chantilly Virginia  
2010-2015 UNC Biological & Biomedical Science's Student Liaison Committee  
2013 UNC Perl Prize Committee  
2012-2015 UNC School of Medicine Graduate Student Recruitment  
2009-2010 NIH Scientific Careers Community Outreach

### **INTERNAL**

2022 The Huck Institutes of the Life Science HITS (Huck Innovative and Transformative Seed Funds) grant reviewer and panelist  
2022 Junior Faculty Advisory Committee to PSU Interim Vice President & Provost  
*selected as Eberly College of Science representative*  
2021 Biomedical Engineering Graduate Program Admissions Committee  
2021 Biology Graduate Program Admissions Committee  
2019 -present Neuroscience Graduate Program Admissions Committee  
2021 Biology Department Graduate Admissions Committee  
2017 PSU Smoke Free Task Force (*silent observer*)  
2017 PSU Communications and Onboarding Working Group (Research Computing and Cyberinfrastructure Advisory Council to the Provost)  
2016-Present PSU Program for Translation Research on Adversity and Neurodevelopment (P-TRAN)  
2016-Present PSU Undergraduate Neighbor-Neighbor Outreach

### **DEI-RELATED TRAINING AND ACTIVITIES**

2022 PSU Summer Research Opportunities Program Mentor  
2021 Millennium Scholars Program Faculty Advisory Network  
Penn State Safer People Safer Places: Transgender and Gender Inclusion 101  
Penn State Safer People Safer Places: Foundations Workshop

---

---

## **PROFESSIONAL ACTIVITIES**

### ***Journal Reviewer***

Frontiers in Molecular Neuroscience, Frontiers in Psychiatry

***Ad Hoc Journal Reviewer*** Neuropsychopharmacology, Neuropharmacology, Psychopharmacology, Alcohol, Neurobiology of Stress, Physiology and Behavior, Journal of Neuroscience

***Society Memberships*** Society for Biological Psychiatry (2019-present) International Congress on Alcoholism and Stress (2011-present) Society for Neuroscience (2010-present) Research Society on Alcoholism (2010-present) Society for Behavior Analysis (2006-2009), Eastern Psychological Association (2006-2009)