

ELIZABETH N. HOLLY, PHD

Assistant Professor, Center for Molecular and Behavioral Neuroscience, Rutgers University - Newark
(918)697-3101 | elizabeth.holly@rutgers.edu | hollylab.org

EDUCATION

- Doctor of Philosophy**, Experimental Psychology, Tufts University, Medford, MA 2015
Dissertation: "*Corticotropin releasing factor and dopamine interactions in a heterogeneous ventral tegmental area: How can aversive experiences heighten cocaine self-administration?*"
Committee: Klaus Miczek (chair), Joe DeBold, Jamie Maguire, Alexa Veenema
- Master of Science**, Experimental Psychology, Tufts University, Medford, MA 2012
Thesis: "*Sex differences in behavioral and neural cross-sensitization and escalated cocaine taking as a result of social defeat stress in rats*"
Committee: Klaus Miczek (chair), Joe DeBold, Emmanuel Pothos
- Bachelor of Science**, Psychology, Northern Michigan University, Marquette MI 2009
Summa Cum Laude; *Minors: Human Biology, Chemistry*

FACULTY POSITIONS

- Assistant Professor** (tenure track), Center for Molecular and Behavioral Neuroscience Rutgers University-Newark, Newark, NJ 2023-

RESEARCH POSITIONS

- Research Associate**, Department of Neuroscience, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, Laboratory of Marc Fuccillo, MD, PhD 2021-2022
Impact of adolescent social isolation on adult value-based decision making (neuroeconomics, operant decision-making tasks, *in vivo* electrophysiology)
- Postdoctoral Fellow**, Department of Neuroscience, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, Laboratory of Marc Fuccillo, MD, PhD 2016-2021
Role of local dorsal striatal circuits and dopamine in goal-directed behaviors (operant behavior, fiber photometry, optogenetics, intersectional genetics, fast scan cyclic voltammetry, molecular cloning/viral design, viral manipulations)
- Postdoctoral Associate**, McGovern Institute for Brain Research, Massachusetts Institute of Technology, Cambridge, MA, Laboratory of Ki Goosens, PhD (*PI did not receive tenure, lab closed July 2016*) 2015-2016
Ghrelin signaling in the ventral tegmental area during reward and aversion (immunohistochemistry, confocal imaging, operant behavior)
- Graduate Student**, Department of Psychology, Tufts University, Medford, MA, Laboratory of Klaus Miczek, PhD 2010-2015
Behavioral and neural mechanisms of stress-escalated drug self-administration (social defeat stress, IV self-administration, *in vivo* microdialysis, pharmacology)
- Contracted Resource**, CNS Biology, Pfizer Global Research and Development, Groton, CT, Laboratory of Rouba Kozak, PhD 2009-2010
Testing pharmacological interventions for cognitive deficits in schizophrenia (pharmacology, behavioral assays, *in vivo* microdialysis during operant tasks)
- Research Assistant**, Department of Psychology, Northern Michigan University, Marquette, MI, Laboratory of Adam Prus, PhD 2007-2009
Effects of neurotensin analogs on cognitive performance (pharmacology, behavioral assays, *in vivo* microdialysis)

RESEARCH FUNDING

ONGOING

- K01**, Mentored Research Scientist Career Development Award, MH127306, PI: Holly 2021-2025
Effects of adolescent social isolation on adult value-based decision making and corticostriatal circuitry (First submission Impact 20, Percentile N/A)

COMPLETED

F32, Individual National Research Service Award (NRSA), MH114506, PI: Holly 2017-2020
Role of dorsomedial striatum low-threshold spiking interneurons in goal-directed behavior (First submission Impact 18, Percentile 4)

HONORS AND AWARDS

Travel Award, American College of Neuropsychopharmacology (virtual due to COVID, extended to 2021 meeting in San Juan, Puerto Rico) 2020

Emerging Neuroscientist, invited seminar, Sainsbury Wellcome Centre for Neural Circuits and Behavior, London, United Kingdom 2019

Outstanding Dissertation Award and invited address at the APA Annual Convention, American Psychological Association Division 28, Washington, DC. 2017

First place poster presentation, Pennsylvania Chapter of the Society for Neuroscience Meeting, Philadelphia, PA 2017

Travel Award, Neurobiology of Stress Workshop, Irvine, CA 2016

Travel Award, European Behavioural Pharmacology Society, La Rochelle, France 2013

“Hot Topic” press-publicized presentation, Society for Neuroscience Annual Meeting, New Orleans, LA 2012

Travel Award, European Behavioural Pharmacology Society, Amsterdam, Netherlands 2011

Spooner Grant for Undergraduate Research, highest ranked proposal, Northern Michigan University, Marquette, MI 2009

University Scholars Research Grant, Northern Michigan University, Marquette, MI 2009

PUBLICATIONS (19 total; 12 first-author, 6 corresponding)**Citation Indices (Google Scholar) for EN Holly as of 28 January 2023**

Total Citations: 997

h-Index: 14

i10-Index: 14

* co-first author; ^ corresponding author; † mentee

Links to publications can be found on in [MyBibliography](#).

- Choi K, Piasini E, Díaz-Hernández E, Vargas Cifuentes L, Henderson NT, **Holly EN**, Subramaniyan M, Gerfen CR, Fuccillo MV (in press). Distributed processing for value-based choice by prefrontal circuits targeting anterior-posterior dorsal striatal subregions. **Nature Communications**, in press.
- Holly EN**, Díaz-Hernández E, Fuccillo MV (2022). A blueprint for examining striatal control of cognition. **Trends in Neurosciences**, 45:649-650.
- Holly EN**[^], Davatolhagh MF⁺, España RA, Fuccillo MV (2021). Striatal low-threshold spiking interneurons locally gate dopamine. **Current Biology**, 31:4139-4147.
- Holly EN**, Davatolhagh MF⁺, Choi K, Alabi OA⁺, Vargas Cifuentes L⁺, Fuccillo MV (2019). Striatal low-threshold spiking interneurons regulate goal-directed learning. **Neuron**, 103:92-101.
Highlighted in Hachisuka A & Masmanidis SC (2020). Interneurons tap the brakes on learning. Neuron, 103:3-5.
- Choi K^{*}, **Holly EN**^{*}, Davatolhagh MF⁺, Beier KT, Fuccillo MV (2019). Integrated anatomical and physiological mapping of striatal afferent projections. **European Journal of Neuroscience**. 49:623-636.
- Holly EN**[^], Boyson CO, Montagud-Romero S⁺, Gobrogge KL, DeBold JF, Miczek KA (2016). Episodic social stress-escalated cocaine self-administration: role of phasic and tonic corticotropin releasing factor in the anterior and posterior ventral tegmental area. **Journal of Neuroscience**, 36:4093-4105.
- Boyson CO^{*}, **Holly EN**^{*}, Burke AR, Montagud-Romero S⁺, DeBold JF, Miczek KA (2016). Maladaptive choices by defeated rats: Link between rapid approach to social threat and escalated cocaine self-administration. **Psychopharmacology**, 233:3173-3186.
- Holly EN**[^], Miczek KA (2016). Ventral tegmental area dopamine revisited: effects of acute and repeated stress. **Psychopharmacology**, 232:163-186.
Highly cited review; >200 citations
- Hwa LS, **Holly EN**, DeBold JF, Miczek KA (2016). Social stress-escalated intermittent alcohol drinking: modulation by CRF-R1 in the ventral tegmental area and accumbal dopamine in mice. **Psychopharmacology**, 233:681-690.

10. **Holly EN[^]**, DeBold JF, Miczek KA (2015). Increased mesocorticolimbic dopamine during acute and repeated social defeat stress: Modulation by corticotropin releasing factor receptors in the ventral tegmental area. **Psychopharmacology**, 232:4469-4479
11. **Holly EN[^]**, Miczek KA (2015). Capturing individual differences: Challenges in animal models of posttraumatic stress disorder and drug abuse. Invited commentary, **Biological Psychiatry**, 78:816-818.
12. Hwa LS, Nathanson AJ, Shimamoto A, Tayeh JK, Wilens AR, **Holly EN**, Newman EL, DeBold JF, Miczek KA (2015). Aggression, glutamate in the mPFC, and withdrawal from intermittent alcohol in outbred mice. **Psychopharmacology**, 232:2889-2902.
13. Yap JJ, Chartoff EH, **Holly EN**, Carlezon Jr WA, Miczek KA (2015). Social defeat stress-induced sensitization and escalated cocaine self-administration: The role of ERK signaling in the rat ventral tegmental area. **Psychopharmacology**, 232:1555-1569.
14. Shimamoto A, **Holly EN**, Boyson CO, DeBold JF, Miczek KA (2015). Individual differences in anhedonic and accumbal dopamine responses to chronic social stress and their link to cocaine self-administration in female rats. **Psychopharmacology**, 232:825-834.
15. Boyson CO, **Holly EN**, Shimamoto A, Albrechet-Souza L, Weiner LA, DeBold JF, Miczek KA (2014). Social stress and CRF-dopamine interactions in the VTA: Role in long-term escalation of cocaine self-administration. **Journal of Neuroscience**, 34:6659-6667.
16. **Holly EN**, LaCrosse AL, Hillhouse TM⁺ (2014). Group I and Group II metabotropic glutamate receptors: Role in pathophysiology and treatment of major depressive disorder. In Olive, MF (Ed.) **Metabotropic Glutamate Receptors: Molecular Mechanisms, Role in Neurological Disorders, and Pharmacological Effects**. Nova Science Publishers: Hauppauge, NY.
17. **Holly EN[^]**, Shimamoto A, DeBold JF, Miczek KA (2012) Sex differences in behavioral and neural cross-sensitization and escalated cocaine taking as a result of social defeat stress in rats. **Psychopharmacology** 244:179-188.
18. Shimamoto A, DeBold JF, **Holly EN**, Miczek KA (2011). Blunted accumbal dopamine response to cocaine following chronic social stress in female rats: exploring a link between depression and drug abuse. **Psychopharmacology**, 218:271-279.
19. **Holly EN**, Ebrecht B⁺, Prus AJ (2011). The neurotensin-1 receptor agonist PD149163 inhibits conditioned avoidance responding without producing catalepsy in rats, **European Neuropsychopharmacology**, 21:526-531.

SELECTED TALKS, SEMINARS, AND SYMPOSIUMS *full list available upon request*

1. **Holly EN** (2022). Neural circuitry of stress and reward. Career Seminar, Rutgers-Newark, Newark, NJ.
2. **Holly EN** (2022). Effects of stress and local striatal circuits on goal-directed behaviors. Oregon Institute of Occupational Health Sciences, Oregon Health Science University, Portland, OR (virtual).
3. **Holly EN** (2022). Effects of local striatal circuits and stress on goal-directed behaviors. Department of Neuroscience and Cell Biology, Rutgers University, New Brunswick, NJ.
4. **Holly EN** (2022). Effects of stress and local striatal circuits on goal-directed behaviors. Department of Psychiatry, Northwestern University Feinberg School of Medicine, Chicago, IL.
5. **Holly EN** (2022). Effects of local striatal circuits and stress on goal-directed behaviors. Center for Molecular and Behavioral Neuroscience, Rutgers-Newark, Newark, NJ (virtual).
6. **Holly EN** (2022). Effects of stress and local striatal circuits on goal-directed behaviors. Department of Psychology, Northeastern University, Boston, MA (virtual).
7. **Holly EN** (2022). Effects of stress and local striatal circuits on goal-directed behaviors. Department of Psychology, Northeastern University, Boston, MA (virtual).
8. **Holly EN** (2022). Effects of stress and striatal circuitry on goal-directed behaviors. Department of Psychology, Temple University, Philadelphia, PA (virtual).
9. **Holly EN** (2022). Effects of local striatal circuits and social stress on goal-directed behaviors. Center for the Neurobiology of Stress Resilience and Psychiatric Disorders, Rosalind Franklin University of Medicine and Science, North Chicago, IL.
10. **Holly EN** (2021). Effects of stress and striatal circuits on goal-directed behaviors. Department of Neuroscience, University of Pittsburgh, Pittsburgh, PA.
11. **Holly EN** (2021). Effects of stress and striatal circuitry on decision-making for appetitive and drug rewards. Neuroscience Seminar Series, Mount Sinai Icahn School of Medicine, New York, NY.

12. **Holly EN** (2021). Low-threshold spiking interneurons modulate striatal activity and dopamine to facilitate learning. Mahoney Institute for Neurosciences Year of Neuromodulation Symposium, University of Pennsylvania, Philadelphia, PA
13. **Holly EN** (2021). Effects of stress and local striatal circuitry on motivated behaviors. Special seminar, McLean Hospital, Belmont, MA (virtual).
14. **Holly EN** (2021). Sex, drugs, and chocolate: Impacts of stress on mesocorticolimbic dopamine and motivated behaviors for natural and drug rewards in male and female rodents. Invited seminar, "Maladaptive Motivated Behavior" seminar series, Temple University, Philadelphia, PA (virtual).
15. **Holly EN** (2021). Effects of stress and local striatal circuitry on motivated behavior, Next Gen Neuro seminar series, Virtual.
16. **Holly EN** (2020). Local dopaminergic regulation by striatal low-threshold spiking interneurons facilitates learning. Virtual Dopamine Symposium: The Future of Dopamine.
17. **Holly EN**, Davatolhagh MF, España RA, Fuccillo MV (2020). Striatal low-threshold spiking interneurons locally gate dopamine during learning. Selected for a data blitz presented at the 59th annual meeting of the American College of Neuropsychopharmacology, virtual due to COVID19.
18. **Holly EN**, Davatolhagh FD, Fuccillo MV (2020). Striatal low-threshold spiking interneurons locally gate dopamine to facilitate goal-directed learning. Virtual Dopamine Conference
19. **Holly EN**, Davatolhagh FD, Fuccillo MV (2020). Striatal low-threshold spiking interneurons locally gate dopamine to facilitate goal-directed learning. 36th Annual Mahoney Institute for Neurosciences Symposium (virtual).
20. **Holly EN** (2020). The long lasting impact of stress on motivated behavior. Invited seminar, Brandeis University, Waltham, MA
21. **Holly EN** (2020) Dorsomedial striatal low-threshold spiking interneurons gate goal-directed learning. Invited seminar, Seminars at Yale Neuroscience: Advanced Postdoc Extramural Series (SYNAPSES), Yale University, New Haven, CT
22. **Holly EN** (2020). Dopamine in reward and learning. Panel presenter at Winter Conference on Brain Research, Big Sky, MT
23. **Holly EN** (2020). Dorsomedial striatal low-threshold spiking interneurons modulate dopamine to gate goal-directed learning. Invited seminar at Oxford University, Oxford, UK
24. **Holly EN** (2020). How dorsomedial striatal low-threshold spiking interneurons gate goal-directed learning. Invited seminar in the "**Emerging Neuroscientists Seminar Series**", Sainsbury Wellcome Centre, London, UK
25. **Holly EN** (2019). How do we learn motor behaviors to get rewards? Exploring a role for a small class of striatal interneurons. Invited colloquium seminar, Northern Michigan University, Marquette, MI
26. **Holly EN** (2017). "A novel functional role of local striatal inhibition in goal-directed behavior." Work in Progress talk, University of Pennsylvania Center for Neurobiology and Behavior.
27. **Holly EN** (2017). Social Defeat, CRF, and Dopamine: How does a history of social stress intensify later cocaine self-administration and reinstatement? **Invited "Outstanding Dissertation Award" scientific address**, 125th Annual Convention of the American Psychological Association, Washington, D.C.
28. **Holly EN** (2017). A novel functional role for local striatal inhibitory circuits in goal-directed behavior. 6th Annual Small Circuits & Behavior Meeting at Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA.
29. **Holly EN** (2016). Social stress and CRF-dopamine interactions in the VTA: How do aversive events strengthen drug self-administration? Invited seminar, University of Pennsylvania, Philadelphia, PA
30. **Holly EN** (2016). Social stress and CRF-dopamine interactions in the VTA: How do aversive events intensify cocaine self-administration and reinstatement? Invited seminar, Medical University of South Carolina, Charleston, SC
31. **Holly EN** (2016). Social stress and CRF-dopamine interactions in the VTA: How do aversive events intensify cocaine self-administration and reinstatement? Invited seminar, University of California – Los Angeles, Los Angeles, CA
32. **Holly EN** (2015). Social stress and CRF-dopamine interactions in the VTA: How do aversive events strengthen drug self-administration? Invited seminar, McLean Hospital, Belmont, MA
33. **Holly EN**, Boyson CO, Montagud-Romero S, Gobrogge KL, DeBold JF, Miczek KA (2015). Corticotropin releasing factor-dopamine interactions in the ventral tegmental area during and after social defeat stress:

- How can aversive experiences strengthen cocaine self-administration? 16th Meeting of the European Behavioral Pharmacology Society, Verona, Italy.
34. **Holly EN** (2015). Social stress and CRF-dopamine interactions: How do aversive experiences strengthen drug self-administration? Invited seminar, McGovern Institute for Brain Research, Massachusetts Institute of Technology, Cambridge, MA.
 35. **Holly EN**, Miczek KA, Han X, Boyson CO, Gobrogge KL (2015). Social stress and CRF-DA interactions: How do aversive experiences strengthen drug self-administration? Behavioral Pharmacology Society Annual Meeting in Boston, MA.
 36. **Holly EN** (2015). Social stress and CRF-dopamine interactions in the VTA: How do aversive experiences strengthen cocaine self-administration? Invited seminar, Scripps Research Institute, La Jolla, CA.
 37. **Holly EN**, Boyson CO, Albrechet-Souza L, Shimamoto A, Weiner LA, DeBold JF, Miczek KA (2013). Role of CRF receptors in the induction and expression of behavioral and neural social stress-induced cross-sensitization to cocaine and self-administration “binge”. Nanosymposium, 43rd Annual Meeting of the Society for Neuroscience in San Diego, CA.
 38. **Holly EN** (2013). Social stress, cross-sensitization, and escalated cocaine taking: role of neuroadaptations in the VTA. Invited seminar, Brain Cognitive Neuroscience Institute, Cambridge University, Cambridge, UK.
 39. **Holly EN**, Shimamoto A, DeBold JF, Miczek KA (2012). Sex differences in behavioral and neural cross-sensitization and escalated cocaine taking as a result of social defeat stress in rats. Nanosymposium, 42nd Annual Meeting of the Society for Neuroscience in New Orleans, LA
“Hot Topic” press-publicized presentation
 40. **Holly EN** (2009) Neurotensin drugs for the treatment of memory impairment. 2009 Celebration of Student Research, Creative Work, and Academic Service Learning, Northern Michigan University, Marquette, MI

SELECTED POSTER PRESENTATIONS *full list available upon request*

1. **Holly EN**, Pareek P, Fuccillo MV (2021). Effects of adolescent social isolation on adult value-based decision making in male and female mice. To be presented at the 60th annual meeting of the American College of Neuropsychopharmacology, San Juan, Puerto Rico.
2. **Holly EN**, Pareek P, Fuccillo MV (2021). Adolescent social isolation differentially perturbs adult value-based decision making in female and male mice. To be presented at the 61st Annual Meeting of the Society for Neuroscience, Chicago, IL.
3. **Holly EN**, Davatolhagh MF, España RA, Fuccillo MV (2020). Striatal low-threshold spiking interneurons locally gate dopamine during learning. Presented at the 59th annual meeting of the American College of Neuropsychopharmacology, virtual due to COVID19.
Won travel award
4. **Holly EN**, Davatolhagh MF, Choi K, Alabi OA, Vargas L, Fuccillo MV (2019). Striatal low-threshold spiking interneurons regulate goal-directed learning. XIIIth Meeting of the International Basal Ganglia Society (IBAGS), Biarritz, France.
5. **Holly EN**, Davatolhagh MF, Choi K, Fuccillo MV (2018). A novel functional role for local striatal inhibitory circuits during goal-directed behavior. 34th Annual Mahoney Institute for Neuroscience Symposium, Philadelphia, PA.
6. **Holly EN**, Davatolhagh MF, Choi K, Fuccillo MV (2017). A novel functional role for local striatal inhibitory circuits during goal-directed behavior. Biomedical Postdoctoral Program Annual Symposium, Philadelphia, PA.
7. **Holly EN**, Davatolhagh MF, Choi K, Fuccillo MV (2017). A novel functional role for local striatal inhibitory circuits during goal-directed behavior. 47th Annual Meeting of the Society for Neuroscience, Washington, D.C.
8. **Holly EN**, Fuccillo MV (2017). A novel functional role of local striatal inhibitory circuits in goal-directed behavior. Philadelphia Chapter of the Society for Neuroscience, Philadelphia, PA.
Won award for best poster
9. **Holly EN**, Peng X, Goosens KA (2016). Repeated stress increases ghrelin receptor expression in ventral tegmental area dopamine neurons. Neurobiology of Stress Workshop, Newport Beach, CA.
Won travel award

10. **Holly EN**, Boyson CO, Montagud-Romero S, DeBold JF, Miczek KA (2015). Corticotropin releasing factor and dopamine interactions in a heterogeneous ventral tegmental area: How can aversive experiences heighten cocaine self-administration? 45th Annual Meeting of the Society for Neuroscience, Chicago, IL.
11. **Holly EN**, DeBold JF, Miczek KA (2014). Increased mesocorticolimbic dopamine before, during, and after social defeat stress: Role of corticotropin releasing factor receptors in the ventral tegmental area. 44th Annual Meeting of the Society for Neuroscience, Washington, D.C.
12. **Holly EN**, Boyson CO, Albrechet-Souza L, Shimamoto A, Weiner LA, DeBold JF, Miczek KA (2013) CRF receptors and social stress: Dissociation of cross-sensitization and cocaine self-administration. 15th Biennial Meeting of the European Behavioural Pharmacology Society, La Rochelle, France.

Won travel award

13. **Holly EN**, Boyson CO, Shimamoto A, DeBold JF, Miczek KA (2013). Direct CRFR1 antagonism within the VTA prevents the induction and expression of neural cross-sensitization to cocaine caused by social defeat stress. American Society for Pharmacology and Experimental Therapeutics (ASPET) Annual Meeting, Boston, MA
14. **Holly EN**, Shimamoto A, DeBold JF, Miczek KA (2012). Sex, stress and cocaine: Role of corticotropin releasing factor in behavioral and dopaminergic sensitization to cocaine. 51st Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL.
15. **Holly EN**, Shimamoto A, DeBold JF, Miczek KA (2011). Sex differences: Social stress, cocaine binge, and sensitization to accumbal dopamine and behavior. 41st Annual Meeting of the Society for Neuroscience, Washington, D.C.
16. **Holly EN**, Shimamoto A, DeBold JF, Miczek KA (2011). Sex, stress, and cocaine: Role of accumbal dopamine. 14th Biennial Meeting of the European Behavioral Pharmacology Society, Amsterdam, Netherlands.

Won travel award

17. **Holly EN**, Ebrecht BE, Prus AJ (2010) The neurotensin NT1 receptor agonist PD149163 suppresses conditioned avoidance responding, without producing catalepsy, in rats. 40th annual meeting of the Society for Neuroscience, San Diego, CA.
18. **Holly EN**, LaCrosse AL, Goboly LN, Schuck CJ, Jacobson SM, Prus AJ (2009). The neurotensin analog PD149163 increases medial prefrontal cortical dopamine release and improves delayed non-match to sample performance in rats. 39th annual meeting of the Society for Neuroscience, Chicago, IL.
19. **Holly EN**, LaCrosse AL, Jacobson AM, Prus AJ (2009). Effects of the neurotensin analog PD149163 on dopamine release in the medial prefrontal cortex and working memory performance in rats. 13th Biennial European Behavioural Pharmacology Society Meeting, Rome, Italy.
20. **Holly EN**, LaCrosse AL, Jacobson SM, Porter ML, Prus AJ (2009). The neurotensin analog PD149163 increases medial prefrontal cortical dopamine release and improves delayed non-match to sample performance in rats. 2009 meeting of Michigan Chapter of the Society for Neuroscience, Kalamazoo, MI

LEADERSHIP AND OUTREACH

Leadership and Professional Service

Executive Committee, Early Career Psychologist Representative, American Psychological Association Div 28 (Psychopharmacology and Substance Abuse) 2018-2021

Ad hoc reviewer (alphabetical order)

Frontiers in Behavioral Neuroscience	Science Advances
Psychoneuroendocrinology	Stress
Psychopharmacology	

Outreach

Postdoctoral Affiliate, Penn Mind Center for Outreach, Research, & Education (MindCORE) 2018-present

Organizer, Admissions, MindCORE Diversity and Equity Initiative for the Mind Sciences (DivE In) Weekend, Penn MindCORE, Philadelphia, PA 2021

The DivE In Weekend is a graduate school recruitment and mentorship weekend for underrepresented minority and first generation students interested in pursuing graduate school in neuroscience, psychology, biology, linguistics, or sociology.

As an Organizer, I developed the program application, determined application scoring criteria, and selected applicants to invite to the program.

TEACHING EXPERIENCE

University of Pennsylvania

Recitation Instructor / Lecture Teaching Assistant, BIOL446 Statistics for Biologists

Semesters Taught: Fall 2016, Fall 2017

BIOL446 is an upper level statistics course for ~80 undergraduate and graduate students. As a lecture teaching assistant, I attended all classes, graded weekly homework problem sets and exams, and held office hours. I was also an instructor for a weekly recitation session in the course, where I presented the answers to the weekly homework and exams, as well as taught material as requested by students.

Tufts University

Laboratory Teaching Assistant, PSY48 Psychopharmacology Lab

Semesters Taught: Spring 2012, Spring 2013

PSY48 is a small (12 students) lab course for biopsychology majors who have completed PSY103 (Brain and Behavior). The course is designed to give hands-on exposure to psychopharmacology experiments. As the teaching assistant, I was responsible designing and conducting the course. This consisted of selecting two experiments for students to participate in, coordinating their presentations on introductory materials and participation in experiments, grading lab reports, and holding office hours.

Laboratory Teaching Assistant, PSY40 Physiological Psychology Lab

Semesters Taught: Fall 2012

PSY40 is equivalent to PSY48, with a focus on broader behavioral neuroscience experiments. My role was the same as above, with the addition of teaching sheep brain anatomy and designing and grading a brain anatomy practical exam.

Lecture Teaching Assistant, PSY103 Brain and Behavior

Semesters Taught: Fall 2011

PSY103 is an introductory biological psychology course for undergraduates majoring in biopsychology, or with a background in biology. My responsibilities included attendance in all lectures, giving one guest lecture, holding office hours, and grading exams.

Lecture Teaching Assistant, PSY55 Human Sexual Behavior

Semesters Taught: Spring 2011

PSY55 is a lecture course covering the biological, developmental, clinical, and social aspects of sex and sexuality. My responsibilities included attendance in all lectures, assisting writing exams, grading exams, and holding office hours.

Lecture Teaching Assistant, PSY25 Physiological Psychology

Semesters Taught: Fall 2010, Fall 2013

PSY25 is an introductory biological psychology course for undergraduates without a background in biology. My responsibilities included attendance in all lectures, giving one guest lecture, assisting writing exams, grading exams, and holding office hours.

Guest Lecturer, PSY103 Brain and Behavior

Fall 2012, Fall 2013, Fall 2014, Fall 2015

Lectures (60-90 min) given on a range of topics, including schizophrenia, thirst/hunger, and addiction.

Northern Michigan University

Laboratory Teaching Assistant, PY204 Physiological Psychology

Semesters Taught: Fall 2008, Winter 2009, Fall 2009

PY204 was an upper level undergraduate course with a lecture and weekly lab component. As the laboratory teaching assistant, I taught the weekly lab course and graded lab reports. I taught sheep brain anatomy and designed and graded a practical exam, and guided the students through classic rat physiological psychology experiments.

Other Teaching

Private Statistics Tutor, 2017-2018

CAREER DEVELOPMENT

- Inclusive and Equitable Teaching Course, Penn Center for Teaching and Learning** Spring 2020
Educators are responsible for creating classes in which all students feel welcome and capable of succeeding. How can identities salient to our students (race, ethnicity, class, gender, sexuality, nationality, and other backgrounds) not only be valued in the classroom, but leveraged as strengths for learning? In this course, we uncovered a variety of approaches to help students learn and thrive to the best of their abilities. This comprised of a series of readings, discussions on inclusive teaching, and identifying skills and practices to implement in our classes to make these more inclusive and equitable.
- Teaching in Psychology course, Tufts University** Spring 2011
This semester-long graduate course covered a range of issues in creating and teaching a course, covering both conceptual and practical points.

PROFESSIONAL AFFILIATIONS

- Member, Society for Neuroscience** 2008-present
Member, European Behavioural Pharmacology Society 2009-present
Member, American Society for Pharmacology and Experimental Therapeutics 2013-present
Member, Behavior Pharmacology Society 2013-present
Member, American Psychological Association 2016-present
Member, American Psychological Association Division 28 2016-present
Executive Committee Member, American Psychological Association Division 28 2017-2020