

Michelle Gladstone
mgladstone@umass.edu

Education

Bachelor of Science, Biochemistry and Molecular Biology; **GPA: 3.46**
College of Natural Sciences
University of Massachusetts Amherst Candidate, May 2018
Amherst, MA

Research Experience

Summer Neuroscience Undergraduate Research Fellowship (Summer 2017)
Studying Sex Differences in Habit Formation After Exposure to 240 Reinforcers
Dr. Professor Smith, University of Colorado

Undergraduate Research Assistant (January 2016-Present, Summer 2016)
Characterization of Neuronal Populations in Rats During a Two-Alternative Forced Choice Task
Dr. Elena Vazey, University of Massachusetts Amherst

Undergraduate Research Assistant (September 2015-December 2015)
Uncovering Mechanisms that Underlie Unique Human Abilities such as Abstract Mathematical Representation
Dr. Joonkoo Park, University of Massachusetts Amherst

Teaching & Mentorship

Teaching Assistant (Spring 2017)
Biochemistry 190B: Biochemistry and Molecular Biology Majors Seminar
Dr. Amy Springer, University of Massachusetts Amherst

Peer Mentor (September 2016-Present)
Biochemistry and Molecular Biology Department
Dr. Amy Springer and Valerie Miller, University of Massachusetts Amherst

Leadership Experience

General Member; Research Subcommittee (Spring 2016-2018)
Student Wellness Advisory Board
Tommy Thompson, Sean Chen, & Brian Thomas

Publications

Acknowledged In: Rodberg, Ellen M., Carolina R. den Hartog, Rachel I. Anderson, Howard C. Becker, David E. Moorman, and Elena M. Vazey. 2017. "Stress Facilitates the Development of Cognitive Dysfunction After Chronic Ethanol Exposure." *Alcoholism, Clinical and Experimental Research* 41 (9): 1574–83.

Gladstone, Michelle, and Elena M. Vazey. 2016. "New Pharmacological Approaches to Treating Non-

Motor Symptoms of Parkinson's Disease." *Current Pharmacology Reports* 2 (6): 253–61.

Poster Presentations

Effects of Estradiol and Methamphetamine Exposure on Habit Formation in Rats (November 13, 2017)

Hannah Schoenberg, Emily Sola, John Mlcuch, **Michelle Gladstone**, Ari Kirshenbaum, & Donna Toufexis

Society for Neuroscience 47th Annual Meeting

Walter E. Washington Convention Center, Washington, D.C.

Noradrenergic Modulation of Premotor Cortex During Decision Execution (November 12, 2017)

Ellen M. Rodberg, Carolina den Hartog, **Michelle Gladstone**, & Elena M. Vazey

Society for Neuroscience 47th Annual Meeting

Walter E. Washington Convention Center, Washington, D.C.

Sex Differences in Habit Formation After Exposure to 240 Reinforcers (August 4, 2017)

Michelle Gladstone, Hannah Schoenberg, Emily Sola, & Donna Toufexis

Summer Neuroscience Undergraduate Research Fellowship Symposium

University of Vermont, Burlington, VT

Noradrenergic Signaling Regulates Task-Related Behavior and Motivation in Female Rats (April 28, 2017)

Michelle Gladstone, Ellen M. Rodberg, & Elena M. Vazey

Massachusetts Statewide Undergraduate Research Conference

University of Massachusetts Amherst, Amherst, MA

Grants & Fellowships

Summer Neuroscience Undergraduate Research Fellowship (Summer 2017)

Elucidating Sex Differences in Habit Formation After Exposure to 240 Reinforcers

Dr. Donna Toufexis, University of Vermont

Commonwealth Honors College Research Assistant Fellowship (Spring 2017)

Noradrenergic Signaling Regulates Task-Related Behavior and Motivation in Female Rats

Dr. Elena Vazey, University of Massachusetts Amherst

Awards

Dean's List (Fall 2014, 2015, 2016; Spring 2015, 2016, 2017)

Academic Affiliations

General Member, Phi Beta Kappa Academic Honors Society (2017-Present)

General Member, Society for Neuroscience (2017-Present)

Relevant Courses

Junior Fellows (Fall 2017, Spring 2018)

Life Science Seminar; Plan and Run a Research Symposium

Dr. Ana Caicedo, Dr. Tristram Seidler, & Dr. Craig Albertson

Upper-Level General Biochemistry Lab (Fall 2017)

PPP1CC Isolation and Purification from *E. coli*

Dr. Bryan Monesson-Olson & Erica Light, University of Massachusetts Amherst

Tropical Field Biology (Spring 2017)

Comparing Canopy Cover of Managed Cacao Plantations and the Forest of the Bladen Nature Reserve

Dr. Tristram Seidler & Dr. Adam Porter, University of Massachusetts Amherst

Honors Introduction to Research in Molecular Biology and Biochemistry (Fall 2014)

Quantification and Qualification of *sir2* Mutants in Yeast

Dr. Andrew Vershon, Rutgers University