**Megan Hall**

Neuroscience Institute

Georgia State University

Atlanta, Georgia

Mhall60@student.gsu.edu

**EDUCATION**

*Georgia State University*………………………………………………………..*Fall 2015-Current*

Bachelor/Master of Science in Neuroscience

Cumulative GPA: 3.70

*Schley County High School*………………………………………………*Fall 2012- Spring 2015*

Graduated with Honors

Cumulative GPA: 3.86

**RESEARCH EXPERIENCE**

*Georgia State University, Atlanta, Georgia*

**Dr. Nancy Forger’s Laboratory**

*Undergraduate Research Assistant* *September 2018-Present*

* Currently investigating the effect of birth mode on vasopressin release and neuron activation in the perinatal mouse hypothalamus
* Conducted immunocytochemistry experiments in order to visualize AC3+ cells within the hippocampus of neonatal mice
* Conducted immunofluorescence experiments in order to visualize Fos+, AVP+, OXT+, and CRH+ cells within the hypothalamus of neonatal mice
* Techniques: Immunofluorescence, DAB staining, Cryostat, Microtome, Tissue mounting, ImageJ software, Stereo-Investigator software, Prism analysis software

**Neuroscience 4000 Research Laboratory**

*Undergraduate Student*………………………………………………….*January 2019- May 2019*

* Outlined and conducted an experiment: The Effects of Serotonin on Anxiety-Like Behaviors and 5HT-1ɑ2 Receptor Expression in Crayfish, *Procambarus clarkii*
* Conducted immunocytochemistry, quantitative-PCR, electrophysiology, and behavioral experiments on model animals (*Procambarus* *clarkii*)
* Presented a poster to Neuroscience department on experimental results with groupmates

**CONFERENCES/MEETINGS**

* Society for Neuroscience (*Fall 2019*)
* Georgia State University STEM Conference (*Spring 2018*)

**CONFERENCE POSTERS**

**Hall, M**., Hoffiz, Y., Castillo-Ruiz, A. & Forger, N. G. (2019). Effects of Birth Mode on the Activation of Vasopressin Neurons in the Mouse Hypothalamus. *Georgia State Undergraduate Research Conference, Atlanta, GA, April 2019.*

**AWARDS AND ACHIEVEMENTS**

National Science Foundation S-STEM Scholar (*Fall 2018, Spring 2019, Fall 2019*)

* Attended weekly professional development courses on the topics of summer research activities, metacognition, and career exploration
* Participated in workshops on individual development plans, personal statements, cover letters and resumes

President’s Honors List (*Spring 2019*)

Dean’s Honors List (*Fall 2015, Spring 2018*)

**RELEVANT COURSEWORK AND MEMBERSHIPS**

*In Progress*

Principles of Neuroscience II, WomenLead in Science

*Completed*

*Core*

Principles of Biology I, Principles of Biology II, Principles of Chemistry I, Principles of Chemistry II, Organic Chemistry I, Organic Chemistry II, Introductory Physics I, Introductory Physics II

*Neuroscience*

Principles of Neuroscience I, Scientific Method in Neuroscience, Neuroscience Laboratory, Medical Neuroanatomy, Cognitive Neuroscience, Neurobiology, Hormones and Behavior

*Psychology*

Psychopathology and Abnormal Psychology, Psychology of Animal Behavior

*Memberships*

Society for Neuroscience

American Chemical Society

Nu Rho Psi Honor Society

**EXTRACURRICULARS & COMMUNITY SERVICE**

*Naval Support Activity, Manama, Bahrain*……………………………………………...*June 2018*

* Assisted the Vacation Bible School daily science experiments before classes began
* Cleaned and organized room
* Assisted students in doing their experiments

*Atlanta Science Festival, Atlanta, GA*……………………………………………..…..*March 2018*

* Assisted in the set-up and break down of equipment for multiple science booths

**WORK EXPERIENCE**

*Georgia State University Library, Atlanta, GA*

*Student Assistant of Special Collections and Archives*…………………….*January 2018- Current*

* Manage the gallery area and reading room of department
* Register patrons into library system to use research materials and assist patrons in retrieving materials from storage and in use of the materials
* Process and organize incoming collections for current archive collections, such as creating an itinerary for the Creative Loafing collection and the Etcetera periodicals
* Use audio software to collect and edit audio clips for future use in a podcast
* Train student assistants and employees in the management of the reading room
* Skills: Microsoft Office, ArchiveSpace, Adobe Audition

*Student Assistant of Interlibrary Loan*……………………………………*August 2016- May 2017*

* Retrieved books and materials for loan orders
* Mark materials as checked out for loan into library system
* Scan, edit, and send materials
* Processed materials through library systems such as RapidILL and GIL Express
* Checked returned materials into system and moved to sorting location