

Sophie Science

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EDUCATION

Florida Atlantic University

Doctor of Philosophy in Integrative Biology

Boca Raton, FL

May 20XX

Concentration: Neuroscience

Dissertation: “Sense, Function, and Behavior: Neurodegeneration Following Intracerebral Hemorrhaging”

Areas of Specialty: somatosensation, vestibular system, proprioception, anosmia, neural circuitry, electrophysiology, neurodegeneration

Florida Atlantic University

Master of Biological Science

Boca Raton, FL

December 20XX

Scholarships: Zelda Spellman Memorial Scholarship
The River Song Foundation Scholarship

Florida Atlantic University

Bachelor of Science in Neuroscience and Behavior

Boca Raton, FL

May 20XX

Honors: Spring 20XX Dean’s List
Fall 20XX President’s List

RESEARCH EXPERIENCE

Florida Atlantic University

Lab Manager

Boca Raton, FL

May 20XX - Present

Research Purpose: Characterize disease-associated genes to understand its developmental processes and neuronal survival through the study of evolutionary conserved genes between flies and humans.

Advisor: Walter Bishop, Professor in the *Department of Neuroscience*

Conduct the characterization of APP/APPL, L1-CAM/Neuroglian, and attractin/Dsd conserved genes. Apply electrophysiological genetic tools and live imaging of axonal transport to distinguish genes at a cellular level for its determination as contributors to neuronal survival. Administer manipulation of neural circuits, large-scale genetic screens, and temporal regulation of gene expression

Graduate Research Assistant

August 20XX-May 20XX

Research Purpose: Analyze the role of ubiquitin in the structure and function of neural circuits through the development of synapse in the adult Calliphoridae nervous system. Results were presented at the 24th Annual Proteostasis & Neurodegeneration Conference

Advisor: Eleanor Arroyo, Professor in the *Department of Neuroscience*

Develop diagnostic methods of synaptic plasticity by combining molecular genetics, cellular neurophysiology, and confocal microscopy. Utilize lasers to dissipate single neurons in living animals and electrophysiological methods to test synaptic function. Manage axon guidance molecules for function determination and their roles as synaptogenic molecules



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TEACHING EXPERIENCE

Florida Atlantic University

Boca Raton, FL

Co-Instructor

August 20XX – July 20XX

Developed and directed the upper division course, *Cellular Neuroscience and Disease*, in which the basic knowledge of cellular and molecular neuroscience is used to understand human neurological diseases and disorders. Lectured, created lesson plans, advised students, wrote exams, facilitated group projects, recruited guest speakers.

Graduate Teaching Assistant

August 20XX – December 20XX

Led discussion sessions for the course, *Neurobiology of Learning and Memory*, which focused on the neural substrates of learning and memory and the cellular basis of plasticity. Designed demonstrations to illustrate significant concepts.

PUBLICATIONS

Science S. 20XX. An introduction to the neurodegeneration of individuals exposed to lipophilic chemicals. *Journal of Neuroscience & Chemistry*. 1(2): 3-4.

Science S. 20XX. Receptors and cellular and molecular mechanisms of transduction. *Intricacies of Neuroscience*. 4(3): 5-6.

Science S. 20XX. The mechanisms of abnormal movements before, during, and after strokes. *Society of Neuroscience Researchers*. 5(6): 7-8.

PRESENTATIONS

Effects of neuroprosthetics in control of motor sensory interfaces. Poster presentation at the 34th American Neuroscience Society Meeting, Boca Raton, FL, June 8, 20XX.

Mechanisms of neuropathic pain through neurotrophins and neurotransmitters. Oral presentation at the Bi-Annual Conference of Scientific Research, Fort Lauderdale, FL, December 17, 20XX.

HONORS AND AWARDS

Hubert Farnsworth Career Development Award

20XX

Recognition of originality and creativity in neurodegeneration research and success during academic transitions prior to tenure

Training Fellowship in Cellular Neurobiology

20XX

Awarded to scientists with distinguished achievements in neural circuitry research and exemplary efforts in mentoring young scientists

Grace Augustine Achievement Award

20XX

Recognition of young neuroscientists who have made outstanding contributions to public outreach, communication, and education about neuroscience

Emmett Brown Prize for Research Excellence

20XX

Recognition of young neuroscientists for outstanding PhD theses in the general area of behavioral neuroscience



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