Scott Harris

Email: scott.harris@ucsf.edu
Phone: 650.245.9321

EDUCATION

2018 – present **University of California, San Francisco**, San Francisco, CA
Ph.D. Neuroscience (in progress)

2014 – 2018 **Duke University**, Durham, NC
B.S. Neuroscience, Philosophy, *magna cum laude*

RESEARCH EXPERIENCE

2018 – present **Ph.D. Student**
Neuroscience Graduate Program, University of California, San Francisco.

- Graduate Student in Felice Dunn's Laboratory, UCSF Department of Ophthalmology
- Investigating the relationship between the physiological properties of retinal ganglion cells and the performance of mice on a visual discrimination task.
- Techniques: Patch clamp electrophysiology, multielectrode array, mouse behavior, signal detection theory
- Advisor: Dr. Felice Dunn

2015 – 2018 **Undergraduate Researcher**
Hull Laboratory, Department of Neurobiology, Duke University School of Medicine.

- Developed an optogenetic technique to probe the limits of cerebellar learning in awake, behaving mice. This work served as the focus of my undergraduate thesis.
- Techniques: Mouse behavior, optogenetics, stereotaxic surgeries, histology, electrophysiology
- Thesis Committee Members: Dr. Lindsey Glickfeld, Dr. Court Hull, Dr. Thomas Newpher
- Advisor: Dr. Court Hull

2016 **Research and Development Intern**
Neuroscience Department, Genentech Inc., South San Francisco, CA.

- Characterized safety liabilities associated with Alzheimer's therapeutics in the company pipeline
- Techniques: Protein quantification, cell culture, live cell imaging
- Advisor: Dr. Jasvinder Atwal

PEER REVIEWED PUBLICATIONS

Newpher, T. M., **Harris, S.**, Pringle, J., Hamilton, C., & Soderling, S. (2018, May). Regulation of spine structural plasticity by Arc/Arg3.1. In *Seminars in cell & developmental biology* (Vol. 77, pp. 25-32). Academic Press.

PRESENTATIONS

Harris, S. & Hull, C. (2018, May) *Development of an optical tool for studying cerebellar-dependent sensorimotor associations*. Undergraduate thesis defended in front of a three-member faculty committee and poster presented to the general public and local neuroscience community, Durham, NC.

Harris, S., Wetzel-smith, M.K. & Atwal, J.K. (2016, August) *Exploring safety limitations of blood-brain barrier-crossing bispecific antibodies*. Poster at Genentech Inc. Intern Poster Day, South San Francisco, CA.

FELLOWSHIPS

2017 Awarded a fellowship to continue undergraduate thesis research during the summer of 2017 from the Duke Institute for Brain Sciences, Durham, NC.

PROGRAMMING EXPERIENCE

Python, MATLAB, JavaScript

SELECTED COURSEWORK

Neurosciences (15+ courses), Biology, Chemistry, Physics, Calculus, Statistics, Linear Algebra, Computer Science, Philosophy of Neuroscience, Philosophy of Mind, Philosophy of Science, Ethics

MISCELLANEOUS

Languages: English (fluent), Español (conversational), Русский (conversational)