

Andrew K. Moran

Graduate Program in Neuroscience
University of Utah
36 South Wasatch Drive
Salt Lake City, UT 84112 USA
andrew.moran@utah.edu

Education

2013-present: Ph.D., Neuroscience, University of Utah
2012: B.A., Psychology, Minor: Neuroscience, University of California, Riverside
2009: A.S., Natural Sciences, Riverside Community College
2009: A.A., IGETC, Riverside Community College

Independent Research Funding

2015-present: NIH R01-13S1 NIDCD Diversity Supplemental Grant for Predoctoral Fellows Recipient
2013-2015: NIH University of Utah T32 Grant Recipient

Honors and Awards

2016 AChemS (Association for Chemoreception Sciences) Conference Diversity Travel Award
2013 University of California, Los Angeles Psychology Undergraduate Researcher Conference (PURC) Presenter Award
Spring 2009: Alpha Gamma Sigma Ed Walsh Community Service Scholarship
Fall 2006: Alvord Educators Association Scholarship for Academic Excellence

Conference Presentations

Moran, A.K, Gonzalez, L, Huffman, K.J "Development of Callosal Connections in CD-1 Mice" UCLA Psychology Undergraduate Research Conference Presentation May 2013
Tosie J., Moran, A.K, Wachowiak, M "Measuring Conditioned Odor Preference Behavior in a Mouse Model of Nicotine Administration" SACNAS General Conference Presentation October 2016

Mentoring

2017-present: Jaime Richards: Visiting NARI Intern at University of Utah; taught conducting of odor discrimination behavioral experiments in mice, animal handling, circuit building, data analysis and research presentation techniques
2016: Jakob Tosie: Visiting NARI Intern at University of Utah; taught conducting of odor preference behavior tasks in mice, animal handling, data analysis, and research presentation techniques
2015-present: Mia Wipfel, University of Utah Undergraduate; taught LabView coding, animal handling, microscopy and histological techniques for olfactory experiments in mice
2013-14: Jackson Ball, Wachowiak Lab Technician; taught mouse colony maintenance, histology, microscopy and surgical techniques for use in olfactory experiments in mice
2011-2013: Liliana Gonzalez, UC Riverside Undergraduate; taught histology and microscopy techniques, and data analysis methods

Research Experience

2013-present: Graduate Student Researcher, Dr. Matt Wachowiak, University of Utah: Mechanisms underlying processing of olfactory bulb inter- and intraglomerular inhibitory microcircuits *in vivo*
2009-2013: Postbaccalaureate Research Assistant for Dr. Kelly Huffman, UC Riverside: Development of interneocortical connections in prenatally ethanol-exposed, CD1 mice
2011-2012: Research Assistant for Dr. Aaron Seitz, UC Riverside: Mapping perceptual learning through multitask and distraction behavior using EEG
2010-2011: Research Assistant for Dr. Carolyn Murray, UC Riverside: Determining how racial bias affects storytelling through body language

Teaching Experience

Teaching Assistant, University of Utah

Neuroscience 6050: Systems Neuroscience. Assisted in grading, teaching, and mentoring students studying neural circuits and organization of brain systems (1 semester)

Guest Lecturer, University of Utah

Neuroscience 6050: Systems Neuroscience. Taught a lecture on chemosensory systems (olfaction and gustation) from a circuitry and perceptual coding viewpoint (1 lecture)

Psychology 3700: Drugs and Behavior. Taught a lecture on nicotine and its effect on the brain from receptor to systems level concepts as well as neuroanatomy (1 lecture)

Societies, Memberships, and Roles

2016-2017: University of Utah, Snowbird Symposium; Chair

2015-2016: University of Utah, Snowbird Symposium; Member

2015-2016: University of Utah Neurobiology and Anatomy Seminar Series Co-Coordinator

2014-present: AChemS Member

2014-2015: University of Utah Interdepartmental Neuroscience Program (INP) Recruitment Committee Co-Coordinator

2013-present: American Association for the Advancement of Science (AAAS) Member

2013-present: Society for the Advancement of Chicano and Native Americans in Science (SACNAS) Member (University of Utah Chapter)

2013-present: University of Utah INP Fundraising Committee, Social/Retreat, and Seminar Series Committee Member

2012-2013: UCR Neuroscience Journal Club Coordinator

2010-2012: Psi Chi (National Honor Society in Psychology) Member

2007-2009: Alpha Gamma Sigma (California Community College Scholastic Honor Society) Member

Outreach

2016-2017: SLC Brain Bee: University of Utah Co-Coordinator, coordinated demonstration stations for graduate students to teach youth about neuroscience prior to Brain Bee competition.

2013-2015: "SACNAS Talks": University of Utah Chapter Coordinator; assisted in coordination of science speakers to present talks about their personal journey through science

2013-present: Brain Awareness Week: University of Utah Volunteer; taught elementary, junior high, and high school students about neuroscience through hands-on demonstrations

2011-2013: Brain Awareness Day: University of California, Riverside; demonstrated the vestibular system function and anatomy to underprivileged youth through hands on direction

2006-2009: Teaching Outreach: Riverside Community College; offered mentoring advice and information for Latino students interested in teaching at a collegiate level during educators appreciation week

References

Dr. Dale Matthew Wachowiak (PhD Supervisor)

USTAR Professor

Department of Neurobiology and Anatomy

36 South Wasatch Drive

University of Utah

Salt Lake City, UT 84112 USA

(801) 587-9694

matt.wachowiak@utah.edu

Dr. KC Brennan (PhD Committee Member)

Assistant Professor

Department of Neurology

383 Colorow Drive

University of Utah

Salt Lake City, UT 84108 USA

k.c.brennan@hsc.utah.edu

Dr. Petr Tvrdik (PhD Rotation Mentor)
Research Associate
Department of Neurosurgery
383 Colorow Drive
University of Utah
Salt Lake City, UT 84112 USA
ptvrdik@utah.edu