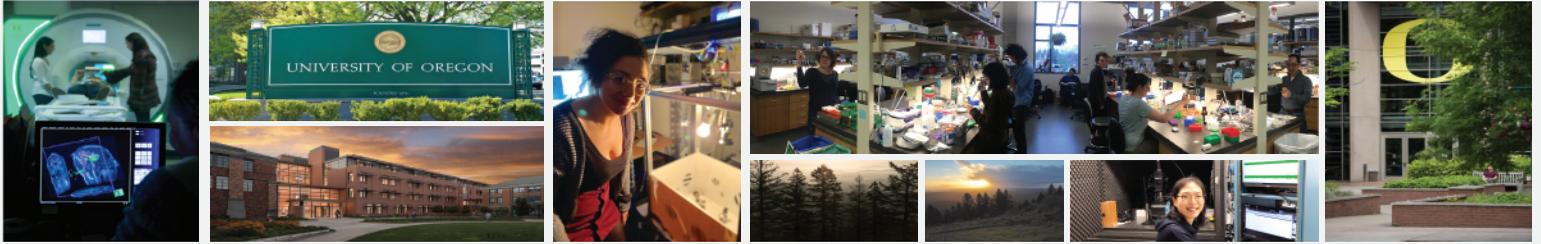




UNIVERSITY OF OREGON



The Institute of Neuroscience (ION) is seeking graduate students to join our inter-departmental neuroscience graduate program (INGP). The goal of INGP is to train students to think independently, creatively, and critically about problems in neuroscience in order to prepare trainees for a variety of career options. Collectively as an institute, we investigate questions from neural development to cognition, in a range of systems including the nematode, fly, zebrafish, mouse, song birds and humans. Particular areas of focus include the assembly of neural circuits during development; bridging studies of neural processing and behavior in animal models to human perception and cognition; and computational theories of neural coding and dynamics. More details can be found at ion.uoregon.edu/.

Institute of Neuroscience



Biology



Psychology



Physiology



Math

ION is a highly collaborative community, with faculty spanning departments of Biology, Psychology, Human Physiology, and Mathematics that have expertise in genetics, development, electrophysiology, optogenetics, and functional MRI.



Students receive training through formal courses, journal clubs, institute-wide seminars & mentorship. Typically, students participate in either the Cognitive, Systems, Theoretical Neuroscience training program, or the Developmental, Cellular, Molecular Neuroscience training program, however training programs can be individualized to student's research interests.



Within their first year, most of our students complete three rotations, TA responsibilities and take courses. Typically, students join a thesis lab at the end of their first year, and advance to candidacy their second year.

The deadline for applications is **December 1, 2020**. For more information about applying for INGP at the U of O, visit ion.uoregon.edu/, contact director David McCormick (davidmc@uoregon.edu), or faculty members whose research you are interested in. **Application waivers are available for eligible students.** To check your eligibility, go to: grad-school.uoregon.edu/applicationfeewaivers, and follow the instruction when you start the U of O application.



UNIVERSITY OF OREGON

Eugene is a livable and inexpensive city with great outdoor activities, a thriving local food culture, and a lively arts scene. Eugene has dozens of wineries and microbreweries, and close to 150 miles of bicycle and running trails throughout the city. The Oregon coast, mountain ski resorts, and downtown Portland are all accessible within a two-hour drive.

Life in Eugene



History of Diversity in Eugene: Oregon and Eugene report a predominantly white population. In the recent decade, the ethnic diversity of the population in the Eugene-Springfield area increased significantly.

Housing and transportation: The university provides a variety of affordable, graduate housing. The city of Eugene is very bike friendly, and many commute this way. Additionally, the bus service that moves throughout Eugene and Springfield is free for students.



Health insurance: The health insurance policy for graduate students in our program is excellent. 95% of the premium is paid by the University, leaving only about \$70/term to be paid by the student (dependents can be added for an additional cost).

BIPOC: Immigrant-owned businesses add diversity and richness to the culture in Eugene through 3+ international markets, numerous restaurants, cultural events and community centers. On campus, there is a Multicultural Center, and a Black Cultural Center open for student use and support. There are many BiPOC & STEM student groups on campus, including: Communities for Minorities in STEM (CMiS), SACNAS, Black Woman of Achievement and Native American Student Union.



LGBTQIA+: Eugene has been rated on many lists of cities friendly to LGBTQIA+ populations. There are venues specific for the LGBTQ+ community in the Eugene/Springfield area. The University of Oregon is recognized nationally as one of the best colleges for LGBTQIA+ students. Resources on campus include the LGBT Education and Support Services team, gender equity housing options and inclusive medical and mental health care.

Accessibility: The local ADA group (Lane Independent Living Alliance) is a resource that provides support and information on ADA friendly businesses within the Eugene/Springfield area. On campus, there are resources including the Accessible Education Center, Accessibility Student Union, and Disability Studies Initiative.



Financial support: The current 12-month stipend for graduate students is \$26,500 (Biology), and 100% of tuition is covered by the University, resulting in students paying only about \$60/term for fees, covering services such as the campus health center, recreation center, and the local bus system. Additionally, students who enroll in the UO Biology PhD program will receive a \$3,000 travel award for scientific conferences of the student's choice.



UNIVERSITY OF OREGON

Faculty Research

Paul Dassonville	Neural basis of perceptual awareness; sensorimotor integration.	prd@uoregon.edu
Chris Doe	Drosophila neural development: from stem cells to circuits.	cdoe@uoregon.edu
Sarah DuBrow	Cognitive neuroscience, learning, memory, decision making.	sdubrow@uoregon.edu
Tim Gardner	Mechanisms of temporal sequence perception & production, focusing on vocal learning in songbirds.	ting@uoregon.edu
Ian Greenhouse	Initiation and cancellation of movement in humans.	img@uoregon.edu
Adrienne Huxtable	Neural control of breathing: how early life events alter neural activity.	huxtable@uoregon.edu
Santiago Jaramillo	Neuronal circuits mediating behavioral flexibility and attention.	sjara@uoregon.edu
Brice Kuhl	Cognitive neuroscience, memory, cognitive control.	bkuhl@uoregon.edu
Shawn Lockery	Neuronal basis of behavior in <i>C. elegans</i> .	shawn@uoregon.edu
Luca Mazzucato	Theoretical neuroscience and network dynamics.	lmazzuca@uoregon.edu
David McCormick	Cellular mechanisms of cortical function.	davidmc@uoregon.edu
Adam Miller	Neural circuit wiring, synapse formation, and electrical synaptogenesis in zebrafish.	acmiller@uoregon.edu
James Murray	Learning, motor control, theoretical neuroscience.	jmurray9@uoregon.edu
Cristopher Niell	Development and function of neural circuits for vision.	cniell@uoregon.edu
Matt Smear	Neural Mechanisms of olfactory function in mouse.	smear@uoregon.edu
Nicki Swann	Neurophysiology of healthy movement and movement disorders.	nswann@uoregon.edu
Emily Sylwestrak	Molecular, cellular, and circuit mechanisms of motivated behavior.	emily@uoregon.edu
Philip Washbourne	Molecular mechanisms of synapse formation during development and repair.	pwash@uoregon.edu
Mike Wehr	How local circuits in the auditory cortex encode and transform sensory information.	wehr@uoregon.edu
Dasa Zeithmova	Cognitive neuroscience of memory specificity and generalization.	dasa@uoregon.edu

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