

OHSU School of Medicine

Neuroscience Graduate Program

The Neuroscience Graduate Program (NGP) at OHSU provides outstanding, multidisciplinary training in neuroscience in one of the best-recognized neuroscience programs in the United States. Our graduates are distributed at top research institutions throughout the world, and the success of our faculty ensures that graduates have ready access to their next step – be it postdoctoral fellowships in academia or industry, or other science-related careers.

Founded in 1992, the Neuroscience Graduate Program at OHSU has

65 predoctoral students and more than 140 faculty in a broad range of subdisciplines. The program is intended for students planning a career in academic or industry research, but we encourage student to explore the career path that matches their ambitions and expertise. The program is particularly strong in cellular neuroscience, neuronal signaling, gene regulation, biophysics of channels and transporters, sensory systems, and neuroendocrinology with increasing strength in

developmental neuroscience and disease-oriented neuroscience research. Faculty members are located within research institutes at OHSU including the Vollum Institute, the Oregon National Primate Research Center (ONPRC), Oregon Hearing Research Center, Jungers Center and the Center for Research on Occupational and Environmental Toxicology (CROET); as well as the basic and clinical departments in the OHSU School of Medicine.



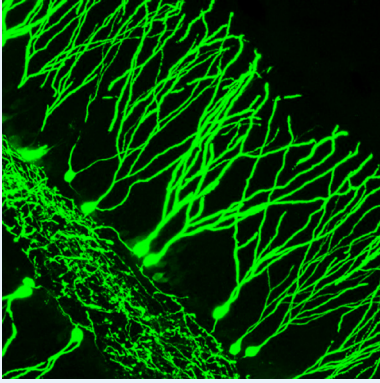
NGP Students get hands on experience during NGP Bootcamp



Neuroanatomy lab in the Systems Neuroscience course

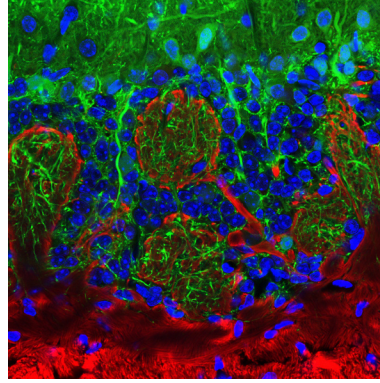
www.ohsu.edu/ngp





Research Areas

- Biophysics of channels and transporters
- Gene regulation
- Neuronal signaling
- Synapses and circuits
- Sensory systems
- Developmental neuroscience
- Neuroendocrinology
- Neurobiology of Disease



Program Overview

The Neuroscience Graduate Program (NGP) at OHSU aims to train predoctoral students in modern neuroscience concepts and techniques. The large number of faculty has expertise in all areas of neuroscience, including molecular, cellular, systems, behavioral, and neurobiology of disease. The curriculum is flexible, permitting students to focus on the essence of graduate training – independent research in a mentor’s laboratory – as soon as possible.

NGP students at OHSU conduct research in all areas of neuroscience and

earn the Ph.D. degree after an average of 5 years. New students arriving at OHSU are quickly integrated into the program through our new week long ‘boot camp’ in neuroscience methods, and the annual NGP retreat, both of which precede beginning of fall classes. As time spent in the lab is the most important component of graduate science training, our program is designed such that core coursework is completed in the first year. During that first year, students also are immersed in research through lab rotations in several labs, eventually choosing one that gives a mutual fit. Because of the relatively small number of students compared to the number of neuroscience laboratories at OHSU, students have many options for a thesis lab. Our well funded faculty provide state-of-the-art exposure to the concepts and technology of modern neuroscience. OHSU also offers certificate and degree programs, e.g. technology transfer and translational science, for advanced students in the NGP who want to broaden their career options.

Want to know more?

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NGP students prepare for clinical rounds in the spring Neurobiology of Disease course