Neuroscience

The Neuroscience PhD program prepares students for independent research and teaching in neuroscience. It seeks to train students who will be expert in one particular approach to neuroscientific research, but who will also have a strong general background in other areas of neuroscience and related disciplines. To achieve this objective, students take interdisciplinary core and advanced courses in neuroscience, as well as related courses sponsored by other graduate programs. In addition, students carry out research under the supervision of faculty members in the program.

The UCSF Neuroscience program faculty, who are among the world leaders in their respective areas of neuroscience, utilize innovative cellular, computational, electrophysiological, genetic, imaging, and molecular strategies to address outstanding problems in neuroscience. These approaches are employed in an integrative manner to engage in research in all areas of neuroscience, including behavior, biophysics, cell biology, development, neural systems, and disorders of the nervous system. The collaborative nature of the UCSF environment offers a unique opportunity in which to take advantage of the interdisciplinary nature of research at the frontier of modern neuroscience.

faculty

The Neuroscience program currently has 71 faculty members from the following departments and areas: anatomy, biochemistry and biophysics, bioengineering, the Brain and Spinal Cord Injury Center, cell and tissue biology, CMP, CVRI, the Diabetes Center, Gladstone Institutes, neurological surgery, neurology, the Neuroscience Imaging Center, ophthalmology, oral and maxillofacial surgery, otolaryngology, pathology, pediatrics-medical genetics, pediatrics-neonatology, pharmaceutical chemistry, physiology, and psychiatry.

The Neuroscience program is a member of the the Program in Biological Sciences (PIBS).

sub-disciplines

Cellular/Molecular Neuroscience
Developmental Neuroscience
Neuroscience of Disease
Systems/Computational Neuroscience

career outcomes

Neuroscience students often go on to do postdoctoral research upon completing the program, and continue on to pursue careers in academic research. Others do research in industry or move into other science-related careers. A few have taken medical degrees as well and are
now in clinical practice. See detailed career outcomes data [2].

The Neuroscience program is based primarily at Mission Bay, but also has faculty at Parnassus, the UCSF affiliated Veterans Administration Medical Center, San Francisco General Hospital, and Gallo Center. Visit the program website [3] for more information.