The University of Cincinnati
Neuroscience Graduate Program

This interdisciplinary degree-granting program supports study in a wide range of Neuroscience-related research areas, including but not limited to neural development; neurobiology of addiction; biology of neurological diseases and neurodegeneration; neuroimaging; neuroendocrinology of stress, obesity and diabetes; and cognitive neuroscience. The program is composed of over 90 faculty in multiple departments in the Colleges of Medicine, Arts and Sciences, Engineering, Pharmacy, Allied Health and the Children’s Hospital of Cincinnati. All students have access to a full range of core facilities, including genomics, proteomics, functional MRI, confocal microscopy and rodent behavioral and metabolic phenotyping. The program covers stipend, tuition and health insurance for all students, and provides additional support for domestic and international travel to conferences. Program initiatives include opportunities for international collaboration, outreach and career counseling. There are over 30 PhD students currently in the program. Students in the program are supported by training grants from NINDS, NIDDK and NIBIB, and by generous gifts from the Daniel L. Kline Fund.
[About the Program]

The Neuroscience Graduate Program provides solid broadly based instruction in neuroscience. Our aim is for our students to develop technical expertise, communication skills and critical thinking skills essential for successful research careers in academia or industry. Critical ingredients of our training program include:

- classroom training in neuroscience
- rich exposure to a broad base of basic and translational neuroscience seminars and presentations
- research training that emphasizes modern approaches to understanding nervous system function
- preparation for scientific careers
[Program Activities and Events]

The Neuroscience Program sponsors a number of different events designed to promote cohesiveness and a sense of identity for the program. These include:

- welcome receptions for new students, postdoctoral fellows, and faculty in early fall
- dinner get-together for current and former UC Neuroscience students and current faculty at the annual meeting of the Society for Neuroscience
- yearly student-faculty retreats
- annual summer get-together
- recruitment weekend
- Career Day symposia, featuring guest lecturers from various Neuroscience career tracks
- Cincinnati Neurofest, an internationally recognized neuroscience symposium
- Ohio Miami Valley Neuroscience Day
- annual Graduate Student Poster Forums

GFP-expressing hippocampal dentate granule cells with interposed mossy cell axons. Image: Steve Danzer, Ph.D. and Vicki Bitter, Department of Anesthesia, CCHMC
[Requirements]

Incoming students are admitted in the summer or fall quarter each year. Applicants must take the Graduate Record Examinations. International students whose first language is not English must take the TOEFL. English proficiency is a requirement for doctoral candidacy in the Neuroscience Graduate Program. Prospective students are expected to have an undergraduate or master’s degree that includes coursework in biology; the physical sciences; physiological psychology; neuroscience; or another appropriate discipline. Selected applicants are invited to visit the University in early spring for interviews with the Admissions Committee and other faculty. The invited applicants will have ample opportunity to interact with our neuroscience graduate students.
[Scholarship Information]

The program provides students with a generous stipend, full-tuition scholarship, and travel support to scientific meetings. Outstanding candidates who are U.S. citizens or permanent residents may be offered distinguished graduate fellowships supported by our NIH training grant, funded by the Jointly Sponsored NIH Predoctoral Training Program in the Neurosciences. In addition, students are eligible for a variety of institutional fellowships, including Ryan Fellowships and Scottish Rite Schizophrenia Research Fellowships.

[Application Information]

To apply online, log on to http://neuroscience.uc.edu
Please note that there is a $40 fee to process your application.

If you are unable to access the internet, application forms and further information may be obtained by contacting the Program Coordinator at (513) 558-1703. Please feel free to come by and visit, or call, if you have any questions.
Expression of the transcription factors Pax6 (red) and Math5 (blue) in a cryosection of an embryonic eye. These proteins are coexpressed in retinal progenitors.

(Image by Amy Riesenber, Research Assistant)