

# Neuroscience

*Master of Science in Neuroscience  
Doctor of Philosophy*

## For More Information

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Neuroscience, 100 E 24th Street Stop C7000, Austin TX 78712

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**URL:** <https://neuroscienceinstitute.utexas.edu/>

## Facilities for Graduate Work

The Institute for Neuroscience offers excellent opportunities for multidisciplinary graduate study in the neurosciences. Facilities include those maintained by the participating programs in the Colleges of Natural Sciences, Liberal Arts, Pharmacy, Education, Communication, Dell Medical School and in the Cockrell School of Engineering. Institutional support, training grants, and federal and state grants to investigators in the institute provide stipends and support research. Faculty members throughout the institute participate in interdisciplinary seminars, two semester-long broad based neuroscience courses and multiple topically oriented neuroscience courses. The goal of the institute is to train students to employ multidisciplinary approaches in their careers in neuroscience research, teaching and industry. Toward this end, the faculty seeks to provide a diverse, cohesive, and interactive atmosphere and a flexible curriculum that meets the needs of each individual.

## Areas of Study

Neuroscience encompasses behavioral, systems, cellular, molecular, and computational approaches to understanding the nervous system. The faculty use a wide variety of state-of-the-art techniques for their studies, including functional magnetic and optical imaging, various behavioral analyses of animals and humans, transmission and scanning electron microscopy, molecular and cellular biophysics, cellular- and systems-level neurophysiology, biochemistry, molecular genetics, and various types of computer modeling. The research-intensive environment emphasizes multidisciplinary investigations. The program offers students both a sound education in neuroscience and a broad research experience.

## Graduate Studies Committee

The following faculty members served on the Graduate Studies Committee (GSC) in the spring 2024 semester.

Seema Agarwala  
Richard W Aldrich  
Nigel S Atkinson  
Chandrajit L Bajaj  
Adela Ben-Yakar  
George D Bittner  
Darrin H Brager  
Audrey C Brumback  
Frances Anne Champagne  
Jessica Alice Church-Lang  
Josh M Cisler  
Laura Lee Colgin  
Lawrence K Cormack  
James Patrick Curley  
Yvon Delville  
Lauren K Dobbs  
Juan M Dominguez  
Jennifer Jane Donegan  
Michael Drew  
Audrey Duarte  
Andrew K Dunn  
Joseph Edward Dunsmoor Jr  
Johann K Eberhart  
Lief Fenno  
Laura K Fonken  
Greg Anthony Fonzo  
Mike Freedberg  
Andrew David Gaudet  
Wilson S Geisler III  
Nace L Golding  
Marcel Goldschen  
Rueben A Gonzales  
F Gonzalez-Lima  
Andrea C Gore  
Robbe Lieve Theofiel Goris  
Andreana P Haley  
Liberty Hamilton  
Kristen M Harris  
Mary Myleen Hayhoe  
Maya L Henry  
Johann Hofmann  
Lori L Holt  
Mackenzie A Howard  
Sara J Hussain  
Alexander Huth

Mbemba Jabbi  
Andres Jara-Oseguera  
Theresa A Jones  
John S Kuo  
Amy Lee  
Hongjoo Joanne Lee  
Jarrod Alan Lewis-Peacock  
Elizabeth Thomas Cox Lippard  
Yi Lu  
Michela Marinelli  
Michael Mauk  
Roy D Mayfield  
Esther Melamed  
Robert Messing  
S J Mihic  
Risto P Miikkulainen  
Jose del R Millan  
Marie Helene Monfils  
Hitoshi Morikawa  
Somshuvra Mukhopadhyay  
Luis A Natividad  
Hiroshi Nishiyama  
Kimberly Nixon  
Linda Jeanne Noble  
Caitlin A Orsini  
David Paydarfar  
Franco Pestilli  
Steven M Phelps  
Jonathan T Pierce  
Alison R Preston  
Nicholas J Priebe  
Susanne Ressler  
Samantha Rose Santacruz  
David M Schnyer  
William Schwartz  
Eyal Seidemann  
Eric Senning  
Jason B Shear  
Stephen M Strakowski  
Thibaud Olivier Taillefumier  
Huiliang Wang  
Xuexin Wei  
Chen Yu  
Harold H Zakon  
Boris Zemelman

## Admission Requirements

The requirements of the Graduate School for admission into a Doctor of Philosophy degree program must be met. However, the qualifications of most admitted applicants exceed these minimum requirements. All applicants must hold a bachelor's degree from an accredited college or university, usually in a biological science, chemistry, computer science, experimental psychology, pharmacy, or engineering. Undergraduate preparation should include one year of chemistry, one year of biology, mathematics through calculus, and courses in psychology and physics. However, students without some of these prerequisites may be admitted on the condition that they make up any deficiencies during their first two years of study.