

Neuroscience

Chair

- Daniel T. Tranel (Neurology/Psychological and Brain Sciences)

Graduate degree: Ph.D. in neuroscience

Faculty: <https://neuroscience.grad.uiowa.edu/faculty/directory>

Website: <https://neuroscience.grad.uiowa.edu>

Facilities

Training is conducted primarily in the laboratories and teaching facilities of the Carver College of Medicine graduate Departments of Anatomy and Cell Biology, Biochemistry and Molecular Biology, Internal Medicine, Molecular Physiology and Biophysics, Neurology, Pharmacology, and Psychiatry; the College of Liberal Arts and Sciences Departments of Biology, Communication Sciences and Disorders, Health and Human Physiology, and Psychological and Brain Sciences; and the Neuroscience Program.

Students use faculty laboratories and central research facilities for ultrastructural analysis; histochemistry and immunocytochemistry; electrophysiology; fluorescence-activated cell sorting; cellular and subcellular biochemistry; cell, tissue, and organ culture; operant and classical conditioning; molecular biology; behavioral genetics; neural substrates of complex behavior; brain-behavior relationships in humans; neuropsychology; and functional neuroimaging (PET, fMRI).