Neurology

Chair
• George B. Richerson

Faculty: https://medicine.uiowa.edu/neurology/profile
Website: https://medicine.uiowa.edu/neurology/

Neurology is the branch of medical science concerned with diagnosis and management of disorders of the brain, spinal cord, peripheral nervous system, and muscle.

The Department of Neurology's hallmark is its history of carefully integrating patient care, scientific investigation, and the education of medical, postdoctoral, and graduate students. The department also offers research opportunities in various fields of neuroscience including neuropsychology, neuroimaging, and neuroanatomy to PhD students in neuroscience and psychology.

Research

The faculty's investigative interests center on cognitive neuroscience, degenerative diseases, cerebrovascular disease, neurogenetics, neuromuscular diseases, electrophysiological correlates of central and peripheral nervous system disease, growth factors in the nervous system, control and regulation of autonomic functions, neuro-ophthalmology, movement disorders, epilepsy, and pain management. For more information see the Department of Neurology website.

The new Iowa Center for Neurodegeneration, housed in the Department of Neurology and affiliated with the Iowa Neuroscience Institute, will concentrate on combating neurodegenerative diseases such as Alzheimer’s disease, Parkinson’s disease, dementia, and amyotrophic lateral sclerosis (ALS).

MD Training

The department provides clinical and clinical research training to second-, third-, and fourth-year MD students.

Residency

The Department of Neurology offers an active, four-year approved residency program that qualifies physician trainees for board certification in neurology. Experience in clinical electrophysiology, pediatric neurology, psychiatry, and neuropathology is part of this training.

Courses

Neurology Courses

NEUR:5365 Seminar: Neuropsychology and Neuroscience arr.
Clinical neuropsychology and cognitive neuroscience: cutting-edge research from scientific journals, case presentations in clinical neuropsychology, and current research. Same as NSCI:5365, PSY:5365.

NEUR:7235 Neurobiology of Disease 3 s.h.
Broad, thematic understanding of disease mechanisms in neurobiological disorders. Prerequisites: ACB:6252. Same as NSCI:7235.