



**UNIVERSITY
OF ALBERTA**

Neuroscience and Mental Health Institute

Unique Offerings

Redefining the Classroom

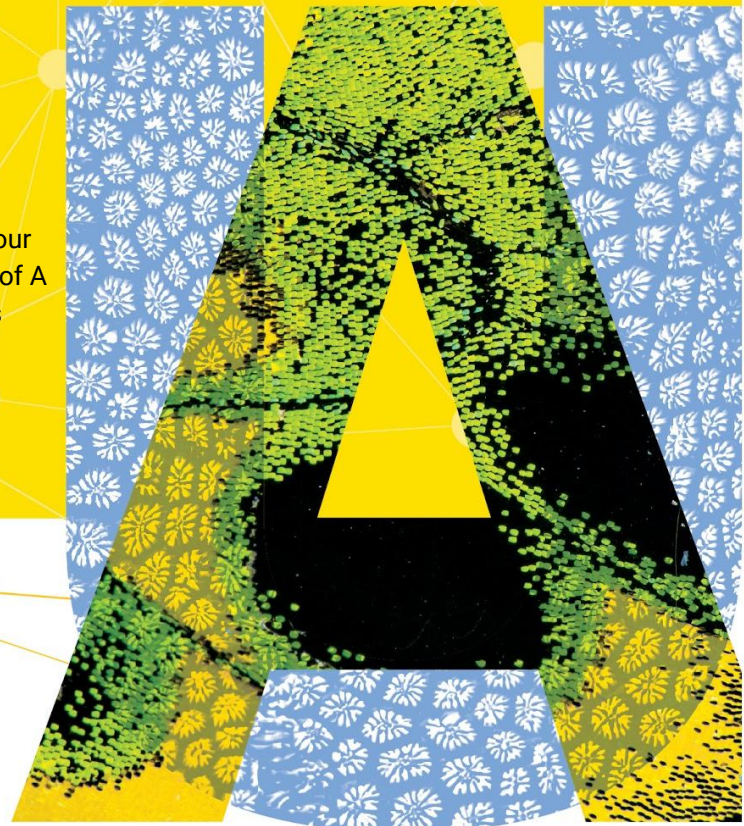
We are home to over **150 neuroscientists** from multiple disciplines which allows our undergraduate students to learn about the most recent and exciting advances in the study of the brain and learn research skills in a neuroscience laboratory.

Many **undergraduate research** opportunities exist in a wide variety of subjects:

- Rehabilitation Neuroscience
- Sensory and Motor Systems
- Synapses and Signaling
- Neural Development
- Neurochemistry and Psychiatry

Shaping the World

From speed of nerve regeneration to immune cell behaviour in the brain and spinal cord, research conducted at the U of A may one day lead to better treatment options for patients with certain neurological diseases.



More Information

uab.ca/nmhi

Undergraduate Programs

While coordinated by the Neuroscience and Mental Health Institute (NMHI), this degree is offered through the Faculty of Science.

NEUROSCIENCE - BSc Major | BSc Honors

Our undergraduates learn about how healthy and diseased brains function at the cellular and molecular level and how concerted activity at the systems level are the foundation for cognition. This interdisciplinary program covers all aspects of brain function, including:

- Brain development
- Nerve cells and synapses
- Sensation and perception
- Learning and memory
- Control of movement
- Animal behavior
- Cognitive psychology
- Disorders of the nervous system

Using techniques from molecular biology, biochemistry, electrophysiology, anatomy, psychology, neurology, and biomedical engineering, among other disciplines, students will explore how the brain and its component cells work to create our thoughts, perceptions, and behaviours.

Possible Careers

- Clinical Biochemist
- Clinical Neuropsychiatrist
- Diagnostic Imaging Specialist
- Forensic Laboratory Analyst
- Forensic Psychologist
- Geneticist
- Human-Computer Interface Designer
- Laboratory Technician
- Medical Error Consultant
- Medical Librarian
- Mental Health Clinician
- Neurobiologist
- Neurophysiologist
- Pharmaceutical Researcher
- Pharmacologist
- Professor/Teacher
- Research Scientist
- Toxicologist

Note: Additional education or specialized training is required for many occupations.



For admission requirements: ualberta.ca/admissions

For admission related questions: science.recruiting@ualberta.ca

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