

# Integrative Neuroscience

**What** can studying the nervous system at the cellular level tell us about behaviour and disease?

**What** are the biochemical principles linked to psychological disorders?

**Can** studying the nervous system of other animals help us understand the human nervous system?

**How** is the nervous system linked to movement?

**Will** we be able to cure the most debilitating diseases of the brain?

We offer a unique interdisciplinary approach to the study of neuroscience, with an emphasis on strong foundational science and practical laboratory skills. You'll study the nervous system at the cellular level, understand its influences on functional circuits at the macroscopic level, and learn how this forms the basis of behaviour, movement and neurological diseases.

You'll also study neuroscience from an evolutionary perspective, including a comparative analysis of the nervous system and behaviour amongst different animal groups.

Augment your learning experience through our five-year co-op option.

**Understand the function of the nervous system at the molecular, structural, behavioural, and cognitive levels, through interdisciplinary study and hands-on laboratory learning in the sciences.**



## What will I study?

- Cellular Principles Underlying Brain Function
- How Drugs Act on the Human Nervous System
- The Evolution of the Nervous System Among Animals
- The Link Between the Human Brain and Behaviour
- The Neurobiology of Human Movement
- Understanding the Link Between Biology and Psychology

## What can I do with my degree?

Pursue career and advanced education opportunities in a variety of areas including:

- Biotechnology laboratory research
- Graduate Studies
- Medical professions including chiropractic, medicine and pharmacy (after further study)
- Pharmaceutical research
- Physical or occupational therapy (after further study)

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## Want more information?

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