

Neuroscience

Faculty List

- [M. Arruda-Carvalho](#), B.Sc. (Rio de Janeiro), M.Sc. (Rio de Janeiro), Ph.D. (Toronto), Assistant Professor
- [R. Boonstra](#), B.Sc. (Calgary), Ph.D. (British Columbia), Professor
- [I.R. Brown](#), B.Sc. (Carleton), Ph.D. (Texas), Professor
- [J.S. Cant](#), B.A., M.Sc., Ph.D. (Western), Associate Professor
- [S. Erb](#), B.Sc. (Wilfrid Laurier), M.A., Ph.D. (Concordia), Associate Professor
- [V. Goghari](#), B.A. (British Columbia), M.A., Ph.D. (Minnesota), Associate Professor
- [J.W. Gurd](#), B.A. (Mount Allison), Ph.D. (McGill), Professor Emeritus
- [D.W. Haley](#), B.A. (Annapolis), M.A. (San Francisco), Ph.D. (Albuquerque), Associate Professor
- [M. Inzlicht](#), B.A. (McGill), M.Sc., Ph.D. (Brown), Professor
- [R. Ito](#), B.A. (Oxford), Ph.D. (Cambridge), Associate Professor
- [J.C. LeBoutillier](#), B.Sc., M.A., Ph.D. (Toronto), Associate Professor, Teaching Stream
- [A.C.H. Lee](#), B.A. (Oxford), Ph.D. (Cambridge), Associate Professor
- [A.C. Mason](#), B.Sc. (Guelph), M.Sc., Ph.D. (Toronto), Professor
- [P. McGowan](#), B.Sc. (Concordia), M.A., Ph.D. (Duke), Associate Professor
- [J.E. Nash](#), B.Sc. (Aberdeen), M.Sc., Ph.D. (Manchester), Associate Professor
- [A. Nestor](#), B.A. (Bucharest), M.Sc. (New Bulgarian), Ph.D. (Brown), Assistant Professor
- [M. Niemeier](#), M.A. (Hamburg), Ph.D. (Tubingen), Associate Professor
- [T.L. Petit](#), B.Sc., M.A. (Louisiana), Ph.D. (Florida), Professor Emeritus
- [S.G. Reid](#), B.Sc., Ph.D. (Ottawa), Associate Professor
- [B.A. Richards](#), B.Sc. (Toronto), M.Sc., Ph.D. (Oxford), Assistant Professor
- [A.C. Ruocco](#), B.Sc. (York), M.Sc., Ph.D., C. Psych (Drexel), Associate Professor
- [M. Souza](#), B.A., M.A. (UC Davis), Ph.D. (Berkeley), Associate Professor, Teaching Stream
- [T.R. Thiele](#), B.A. (Hamilton College, Clinton, NY), Ph.D. (Oregon), Assistant Professor
- [K.K. Zakzanis](#), B.A., M.A., Ph.D., C.Psych. (York), Professor

Chair: S. Erb

Associate Chair, Undergraduate and Program Supervisor: M. Fournier

Program Manager: Hanan Domloge

Undergraduate Advisor: Ainsley Lawson Email: psychology-undergraduate@utsc.utoronto.ca

Co-op Contact: askcoop@utsc.utoronto.ca

Neuroscience encompasses aspects of a variety of disciplines that have the common goal of understanding how the nervous system works. Techniques from constituent disciplines like anatomy, biochemistry, molecular biology, pharmacology, physiology, psychology and zoology are used to unravel some of the mysteries of the brain and its mechanisms of action. Investigators in Neuroscience have also made fundamental contributions to clinical aspects of neurodysfunction and behaviour.

The Specialist Program is designed for students who have a particular interest in the Neurosciences and would like to focus their studies in this area. The Specialist (Co-operative) Program provides the student with a broad background in Neuroscience, with intensive lab experience and practical experience in real job settings. The Major Program is intended for students who wish to combine their studies of Neuroscience with other areas of interest.

Students are strongly encouraged to complete all Neuroscience program requirements at UTSC. In only a very few instances, courses from the other campuses may be used to satisfy Program requirements. However, such substitutions must be pre-approved by the Program Manager, in writing.

Neuroscience courses

Priority access to Neuroscience courses will be given to Majors and Specialists in Neuroscience programs and other programs requiring these courses. During the first two weeks of Fall/Winter registration, the courses will be restricted to these students. Provided space is available, the courses will be opened to other students in the third week.

Guidelines for first-year course selection

[BIOA01H3](#), [BIOA02H3](#), [CHMA10H3](#), [CHMA11H3](#), [PSYA01H3](#) and [PSYA02H3](#) are recommended in the first year if you are intending to pursue a Specialist or Major Program in Neuroscience. For Specialists, [[MATA29H3](#) or [MATA30H3](#)] is recommended in the first year and [[PHYA10H3](#) or [PHYA11H3](#)] is recommended in the first two years.

Service Learning and Outreach

For an experiential learning opportunity that also serves others, consider the course [CTLB03H3](#) (Introduction to Service Learning), which can be found in the "Teaching and Learning" section of the *Calendar*.

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