

CURRENT RESEARCH OPPORTUNITIES

Graduate Program: Anatomy & Cell Biology, Biochemistry, Epidemiology and Biostatistics, Family Medicine, **Medical Biophysics**, Microbiology & Immunology, Pathology & Lab Medicine, Physiology & Pharmacology, **Neuroscience**, Surgery

Supervisor(s): Dr. Corey Baron

Keywords: Magnetic resonance imaging, brain, microstructure, virtual histology

Vacancies: 1

MSc/PhD or Postdoc Available?: MSc (2 year duration)

Description: My lab is often looking for new students for our neurological MRI research program. Projects typically come in one of two flavours, or a mix of the two: (1) technical development of new MRI techniques, or (2) application of novel MRI to improve understanding of the brain. Students with backgrounds in physics, engineering, or programming are best suited for (1), while students with backgrounds in medical sciences are best suited for (2).

To Apply: Applicants must independently apply to the program using the online Western [application portal](#), **including a clear reference to the supervisor**

Application Deadline: None at this time

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the [Academic Programs Coordinator](#), for more information about the description/design of the project, you may contact Dr. Baron directly: corey.baron@uwo.ca

CURRENT RESEARCH OPPORTUNITIES

Graduate Program: Anatomy & Cell Biology, Biochemistry, Epidemiology and Biostatistics, Family Medicine, Medical Biophysics, Microbiology & Immunology, Pathology & Lab Medicine, Physiology & Pharmacology, **Neuroscience**, Surgery

Supervisor(s): Dr. Morgan Gustison

Keywords: Social behavior, communication, behavioural neuroscience, rodent models

Vacancies: 2

MSc/PhD or Postdoc Available?: MSc (2 year duration), PhD (4 year duration)

Description: Our lab has open positions for graduate students interested in the neurobiology and evolution of social behavior. Core projects involve investigations into neural substrates that regulate vocal communication when animals form and maintain social relationships. Our primary study species is the prairie vole, a monogamous rodent. Females and males develop long-term relationships, or pair bonds, and raise offspring together. Prairie voles also produce a complex repertoire of vocalizations. Please contact Dr. Gustison directly for more details.

To Apply: Applicants must independently apply to the program using the online Western [application portal](#), **including a clear reference to the supervisor**

Application Deadline: None at this time

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the [Academic Programs Coordinator](#), for more information about the description/design of the project, you may contact Dr. Gustison directly: mgustiso@uwo.ca

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Graduate Program: Anatomy & Cell Biology, Biochemistry, Epidemiology and Biostatistics, Family Medicine, Medical Biophysics, Microbiology & Immunology, Pathology & Lab Medicine, **Physiology & Pharmacology**, **Neuroscience**, Surgery

Supervisor(s): Dr. Brian Corneil

Keywords: Motor control; Visually-guided actions; Brain Stimulation; Parkinson's Disease

Vacancies: 3

MSc/PhD or Postdoc Available?: MSc, PhD (2-5 year duration)

Description: We're expanding! The Corneil lab has multiple opportunities for grad students (MSc or PhD). Starting time is flexible. Major research topics include the brain circuits mediating our most rapid responses and how such circuits change in aging and diseases like Parkinson's Disease. We also leverage our understanding of these circuits to better understand novel forms of non-invasive brain stimulation. Collaborations with local and international colleagues make for an outstanding research environment. See <https://www.corneil-lab.com/news> and send CV and interests to bcorneil@uwo.

To Apply: Applicants must independently apply to the program using the online Western [application portal](#), **including a clear reference to the supervisor**

Application Deadline: None at this time

Contact Information: Questions regarding the application process, or inquiries about the program may be addressed to the [Academic Programs Coordinator](#), for more information about the description/design of the project, you may contact Dr. Corneil directly: bcorneil@uwo.ca