

# GRADUATE STUDIES 2022/23 INFORMATION SHEET

## ANATOMY AND CELL BIOLOGY

MSc, PhD

Graduate training experiences in Anatomy and Cell Biology Program are catered to your individual needs. Dedicated, award-winning mentors and state-of-the-art facilities provide a rich training environment where you can immerse yourself in one or more academic disciplines, including cell biology, neurobiology, anatomical sciences and/or education scholarship.

The Clinical Anatomy stream consists of coursework, research and hands-on teaching experience. The breadth of experiences offered by the program, is intended to prepare trainees for a variety of educational and career opportunities such as a medical educator, research scientist and health care professional.

**ANATOMICAL SCIENCES** — Microscopic and Gross Cadaveric Anatomy, Application of Anatomy to Clinical Medicine and Dentistry, Applied Health Sciences Teaching, Education Scholarship, Evaluation of Learning and Teaching Approaches, Online Educational Tools

**CELL BIOLOGY** — Cancer, Metastasis, Stem Cells, Tissue Engineering, Biomaterial Integration, Dental Implants, Skin Repair, Gap Junctions, Yeast Models, Molecular Imaging, Developmental Biology

**NEUROBIOLOGY** — Alzheimer's, Parkinson's, Schizophrenia, Addiction, Mass-Spectrometry Imaging, Neurotransmitters, Genetic Models, Learning, Electro-Physiology, Cognitive Neuroscience, Functional Neuroimaging, Consciousness, Memory, Perception

## CAREERS

**With your graduate training in Anatomy and Cell Biology you can pursue professional school, post-doctoral research and advanced training or careers as a:**

- Research Scientist or Technician in industry
- Business and Management Consultant
- Intellectual Property Specialist Grants or Contracts Officer
- Research Associate or Technician
- Clinical Trials Coordinator
- Science Publisher

**Graduates from our programs have pursued careers as a:**

- Faculty member at various prestigious national and international universities
- Senior Policy Advisor at the Canadian Institutes of Health Research
- Business Development Officer, BrainsCAN

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## ANATOMY AND CELL BIOLOGY

	CLINICAL ANATOMY MSc	BIOLOGICAL RESEARCH MSc	PhD
<b>TIME TO COMPLETION</b>	5 Terms (1.66 years) (Non-thesis program)	6 Terms (2 years) (Thesis-based program)	12 Terms (4 years) 15 Terms (5 years) – Direct-entry PhD or transfer MSc to PhD (Thesis-based program)
<b>ADMISSION REQUIREMENTS</b>	<ul style="list-style-type: none"> <li>4-year honours degree or equivalent in a Health or Life Science, or a degree in Dentistry, Medicine or Veterinary Science from an accredited university</li> <li>Minimum 80% (A-) average for the most recent two years of undergraduate study, or the most recent 10 full senior level courses.</li> <li>Anatomy experience is recommended</li> </ul>	<ul style="list-style-type: none"> <li>4-year honours degree or equivalent in a Life Science, or a degree in Dentistry, Medicine or Veterinary Science</li> <li>Minimum 80% (A-) average for the most recent two years of undergraduate study, or the most recent 10 full senior level courses</li> <li>Research experience is recommended</li> </ul>	<ul style="list-style-type: none"> <li>MSc degree or equivalent from an accredited university</li> <li>Minimum standard is 80% (A-)</li> <li>Research experience is required</li> <li>Direct-entry into the PhD program following completion of an undergraduate honours degree or through the MD/PhD program is possible. Previous research experience and a minimum average of 85% are necessary to be considered for direct-entry PhD</li> </ul>
<b>APPLICATION DEADLINES</b>	February 1 - Fall Term	February 1 - Fall Term June 1 (pending spots remaining) - Fall Term March 1 - Summer Term * October 15 - Winter Term *	February 1 - Fall Term June 1 (pending spots remaining) - Fall Term March 1 - Summer Term * October 15 - Winter Term *
<b>FUNDING</b>	<p><b>Students may be eligible for (amounts are approximate and subject to change):</b></p> <ul style="list-style-type: none"> <li>Base Stipend (MSc Research - \$17,500; MSc Clinical - \$6,672; PhD - \$28,850)</li> <li>Western Graduate Research Scholarship</li> <li>Ontario Graduate Scholarship</li> <li>Teaching Assistant Stipend</li> <li>Research Assistant Stipend</li> <li>Internal and External Scholarships</li> </ul>		

\* Positions are not always available for summer/winter terms. Acceptance notifications for the fall term begin in March and continue until July 31. Students are not required to have a supervisor identified to apply to the MSc or PhD programs. If a student's application is approved by the Anatomy and Cell Biology Graduate Affairs Committee, matching with a supervisor will be the next step and is required for final acceptance. However, we strongly encourage students to contact faculty members and potential supervisors directly to learn more about their research and identify a potential fit.

Please visit our website at [schulich.uwo.ca/anatomy](http://schulich.uwo.ca/anatomy) or send an email to [gradstudies@schulich.uwo.ca](mailto:gradstudies@schulich.uwo.ca) for more information.