

GRADUATE STUDIES IN PHYSIOLOGY



WHY PHYSIOLOGY AT MCGILL?

The Department of Physiology was recently rated third best in the world by the QS analysis, outranked only by Oxford and Cambridge. The mission of the Department is to foster an environment that promotes excellence in teaching and learning, and facilitates innovative research and scholarly activities aimed at developing a comprehensive understanding of the dynamics of living systems ranging from the study of single molecules

to integrated systems of the cell, organ and organism. An applied goal is to translate this knowledge into the creation of novel treatment modalities, biomaterials and biomedical devices for the betterment of human health. Come join a vibrant dynamic community of outstanding investigators engaged in multidisciplinary research programs at the leading edge of biomedical science.

Degrees offered

M.Sc. | Ph.D.

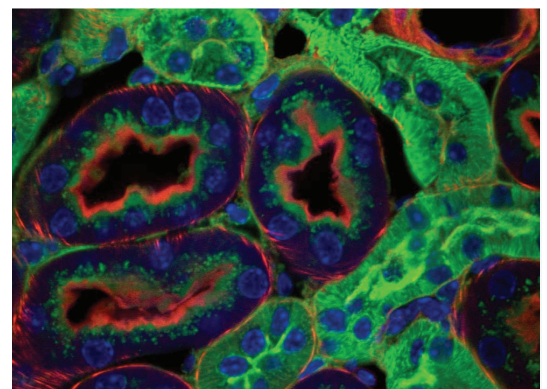
Entrance Fellowship: Max E. Jane K. Childress: 3 awards valued at \$32,000
Richard I. Birks: 1 award valued at \$27,000
Guaranteed tuition assistance for all out of Province and International students

Research areas

Our research interests range from membrane receptors, channels, and signal transduction pathways to the physiology of the cardiovascular, respiratory, renal, endocrine, immune and central nervous systems in health and disease using innovative and interdisciplinary approaches.

Careers

Graduate degrees in Physiology lead to careers in industry and academia that positively influence the welfare of our society. Graduates of our programs are successful in their goals to pursue careers in biomedical research, biotechnology and medicine, and have taken up leadership roles in universities, hospitals, government, and industry.



Contact us

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Image above: Fluorescence microscopy image of a tissue section of mouse kidney. BLUE is DAPI stained nuclei. GREEN is the cell surfaces stained with wheat germ agglutinin. RED is actin filaments stained with phalloidin.



McGill

Faculty of
Medicine

www.mcgill.ca/physiology/



Application deadlines

September entry: Domestic (May 15); International (March 1)

January entry: Domestic (Sept 1); International (August 15)

Admission requirement

A minimum cGPA of 3.2 is required. A transcript is required from each university-level Institution attended. International applicants who have not received their instruction in English must pass the test of English as a Foreign Language (TOEFL). A GRE test is required by all applicants who do not have a degree from a North American University. Supporting Documents required: Personal Essay and C.V as well as 2 letters of reference.

More info at www.mcgill.ca/physiology/graduate-studies/application-admission

Program requirements

M.Sc. Program: A student must have completed a minimum of 3 terms of residency, obtained a minimum of 45 credits. Successful completion of the Final M.Sc. Seminar and submit a thesis. More info at www.mcgill.ca/physiology/graduate-studies/msc-program.

Ph.D Program: Must have completed a minimum of 6 terms of residency, obtained a minimum of 17 credits. All Ph.D students are required to take the Ph.D seminar Course for 6 terms (PHGY 720-725). Successful completion of the Ph.D Comprehensive Exam followed by yearly Progress Seminars. Submission of a Thesis and defend it orally.

More info at www.mcgill.ca/physiology/graduate-studies/phd-program



McGill

Our 10 faculties and 12 professional schools offer more than 300 programs to some 40,000 graduate, undergraduate and continuing studies students.

McGill ranks 1st in Canada among medical-doctoral universities (Maclean's) and 32nd in the world (QS World University Rankings 2018)