



Faculty of Medicine and Health Sciences
Programs, Courses and University Regulations
2022-2023

This PDF excerpt of *Programs, Courses and University Regulations* is an archived snapshot of the web content on the date that appears in the footer of the PDF.

Archival copies are available at www.mcgill.ca/study.

This publication provides guidance to prospects, applicants, students, faculty and staff.

1 . McGill University reserves the right to mak

Publication Information

Published by

Enrolment Services

McGill University
3415 McTavish Street
Montreal, Quebec, H3A 0C8
Canada

All contents copyright © 2022 by McGill University. All rights reserved, including the right to reproduce this publication, or portions thereof, in any form.

McGill University reserves the right to make changes to the information contained in this publication - including correcting errors, altering fees, schedules of admission and credit requirements, and revising or cancelling particular courses or programs - without prior notification.

Not all courses are offered every year and changes can be made after publication. Always check the Minerva Class Schedule link at https://horizon.mcgill.ca/pban1/bwckschd.p_disp_dyn_sched for the most up-to-date information on whether a course is offered.

-
- 1 Medicine and Health Sciences, page 13
 - 1.1 Location, page 13
 - 1.2 About the Faculty of Medicine and Health Sciences, page 13
 - 2 Administrative Officers, page 14
 - 3 History, page 15
 - 4 Medical Societies, page 15
 - 5 Health Sciences: General Information, page 16
 - 5.1 Admission, page 16
 - 5.2 Student Services and Regulations, page 17
 - 5.2.1 Student Advising, page 17
 - 5.2.2 Language Policy, page 17
 - 5.2.2.1 Proof of Proficiency in English, page 18
 - 5.2.2.2 Proof of Proficiency in French, page 18
 - 5.2.3 Vaccination/Immunization Requirements for Health Sciences Programs, page 18
 - 5.3 Fees: Health Sciences, page 19
 - 5.4 Immigration Information, page 22
 - 5.5 Facilities, page 22
 - 5.5.1 Buildings, page 22
 - 5.5.2 Hospitals, page 25
 - 5.5.2.1 McGill University Designated Teaching Hospitals, page 25
 - 5.5.2.2 Institutions Affiliated with McGill University, page 27
 - 5.5.3 Clinical Facilities for Dentistry, page 27
 - 5.5.4 Facilities for Human Nutrition, page 27
 - 5.5.5 Research Centres, page 28
 - 5.5.5.1 Alan Edwards Centre for Research on Pain, page 28
 - 5.5.5.2 Artificial Cells and Organs Research Centre, page 28
 - 5.5.5.3 Biomedical Ethics Unit, page 28
 - 5.5.5.4 Centre for Research in Reproduction and Development, page 29
 - 5.5.5.5 Centre for Research on Brain, Language and Music, page 29
 - 5.5.5.6 Ludmer Centre for Neuroinformatics & Mental Health, page 29
 - 5.5.5.7 McGill Centre for Research in Neuroscience, page 30
 - 5.5.5.8 McGill Centre for Translational Research in Cancer, page 30
 - 5.5.5.9 McGill Centre for Viral Diseases, page 31
 - 5.5.5.10 McGill International TB Centre: PAHO / WHO Collaborating Centre for Tuberculosis Research, page 31
 - 5.5.5.11 McGill University Research Centre for Studies in Aging, page 31
 - 5.5.6 Research Institutes, page 32
 - 5.5.6.1 Institute for Health and Social Policy, page 32
 - 5.5.6.2 Institute of Health Sciences Education, page 33
 - 5.5.6.3 Rosalind and Morris Goodman Cancer Institute, page 33
 - 5.5.6.4 The Neuro (Montreal Neurological Institute-Hospital), page 33

-
- 6.1.10.1 Location, page 46
 - 6.1.10.2 Core Courses, page 46
 - 6.1.10.3 Electives, page 46
 - 6.1.10.4 Oncology Faculty, page 46
 - 6.1.11 Ophthalmology, page 47
 - 6.1.11.1 Location, page 47
 - 6.1.11.2 Core Courses, page 47
 - 6.1.11.3 Electives, page 47
 - 6.1.11.4 Ophthalmology Faculty, page 47
 - 6.1.12 Otolaryngology – Head and Neck Surgery, page 48
 - 6.1.12.1 Location, page 48
 - 6.1.12.2 Core Courses, page 48
 - 6.1.12.3 Electives, page 48
 - 6.1.12.4 Graduate Courses, page 48
 - 6.1.12.5 Otolaryngology – Head and Neck Surgery Faculty, page 48
 - 6.1.13 Pathology, page 49
 - 6.1.13.1 Location, page 49
 - 6.1.13.2 Core Courses, page 49
 - 6.1.13.3 Electives, page 49
 - 6.1.13.4 Other Courses, page 50
 - 6.1.13.5 Pathology Faculty, page 50
 - 6.1.14 Pediatrics, page 50
 - 6.1.14.1 Location, page 50
 - 6.1.14.2 Core Courses, page 50
 - 6.1.14.3 Electives, page 50
 - 6.1.14.4 Pediatrics Faculty, page 50
 - 6.1.15 Psychiatry, page 51
 - 6.1.15.1 Location, page 51
 - 6.1.15.2 Core Courses, page 52
 - 6.1.15.3 Electives, page 52
 - 6.1.15.4 Graduate Courses, page 52
 - 6.1.15.5 Psychiatry Faculty, page 52
 - 6.1.16 Social Studies of Medicine, page 53
 - 6.1.16.1 Location, page 53
 - 6.1.16.2 Core Courses, page 53
 - 6.1.16.3 Electives, page 53
 - 6.1.16.4 Graduate Program, page 53
 - 6.1.16.5 Social Studies of Medicine Faculty, page 53
 - 6.1.17 Surgery, page 54
 - 6.1.17.1 Location, page 54

-
- 6.1.17.2 Core Courses, page 54
 - 6.1.17.3 Electives, page 54
 - 6.1.17.4 Surgery Faculty, page 54
 - 6.2 Biomedical Sciences, page 55
 - 6.2.1 Location, page 55
 - 6.2.2 Biomedical Sciences Faculty, page 55
 - 6.2.3 Anatomy and Cell Biology, page 55
 - 6.2.3.1 Location, page 55
 - 6.2.3.2 Core Courses, page 55
 - 6.2.3.3 Putting It All Together: Basic Science, Medicine, and Society (Anatomy for Surgeons – Basic and Translational Science Selective), page 55
 - 6.2.3.4 Other Courses, page 56
 - 6.2.3.5 Anatomy and Cell Biology Faculty, page 56
 - 6.2.4 Biochemistry, page 57
 - 6.2.4.1 Location, page 57
 - 6.2.4.2 Core Courses, page 57
 - 6.2.4.3 Other Courses, page 57
 - 6.2.4.4 Biochemistry Faculty, page 57
 - 6.2.5 Biomedical Engineering, page 58
 - 6.2.5.1 Location, page 58
 - 6.2.5.2 Electives, page 58
 - 6.2.5.3 Graduate Courses, page 58
 - 6.2.5.4 Biomedical Engineering Faculty, page 58
 - 6.2.6 Rosalind and Morris Goodman Cancer Institute, page 58
 - 6.2.6.1 Rosalind and Morris Goodman Cancer Institute Faculty, page 59
 - 6.2.7 Human Genetics, page 59
 - 6.2.7.1 Location, page 59
 - 6.2.7.2 Core Courses, page 59
 - 6.2.7.3 Graduate Courses, page 59
 - 6.2.7.4 Human Genetics Faculty, page 60
 - 6.2.8 Microbiology and Immunology, page 60
 - 6.2.8.1 Location, page 60
 - 6.2.8.2 Core Courses, page 60
 - 6.2.8.3 Other Courses, page 61
 - 6.2.8.4 Microbiology and Immunology Faculty, page 61
 - 6.2.9 Pharmacology and Therapeutics, page 61
 - 6.2.9.1 Location, page 61
 - 6.2.9.2 About the Department of Pharmacology and Therapeutics, page 62
 - 6.2.9.3 Core Courses, page 62
 - 6.2.9.4 Other Courses, page 62

- 6.2.9.5 Pharmacology and Therapeutics Faculty, page 62
- 6.2.10 Physiology, page 62
 - 6.2.10.1 Location, page 62
 - 6.2.10.2 About the Department of Physiology, page 63
 - 6.2.10.3 Physiology Faculty, page 63
- 6.3 Communication Sciences and Disorders, page 64
 - 6.3.1 Location, page 64
 - 6.3.2 Communication Sciences and Disorders Faculty, page 64
- 6.4 Population and Global Health, page 65
 - 6.4.1 Location, page 65
 - 6.4.2 Population and Global Health Faculty, page 65
 - 6.4.3 Biomedical Ethics, page 66
 - 6.4.3.1 Location, page 66
 - 6.4.3.2 Core Courses, page 66
 - 6.4.3.3 Electives, page 66
 - 6.4.3.4 Graduate Program, page 66
 - 6.4.3.5 Biomedical Ethics Faculty, page 66
 - 6.4.4 Epidemiology, Biostatistics, and Occupational Health, page 66
 - 6.4.4.1 Location, page 66
 - 6.4.4.2 Core Medical 0 Os6.4.4.1

-
- 7.5.4 YEAR 3, page 87
 - 7.5.5 YEAR 4: Graduation, page 87
 - 7.5.6 Medals, page 89
 - 8 Programs of Study, Admission, and Curriculum, page 89
 - 8.1 About Medical Programs, page 90
 - 8.1.1 Location, page 90
 - 8.1.2 Medical Societies, page 90
 - 8.1.3 Undergraduate Medical Programs, page 90
 - 8.1.4 Doctor of Medicine and Master of Surgery (M.D.,C.M.) Medicine (200-204 credits) , page 91
 - 8.1.5 Doctor of Medicine & Master of Surgery with Ph.D. (Joint M.D.,C.M. & Ph.D.) , page 94
 - 8.1.6 Doctor of Medicine & Master of Surgery with Oral & Maxillofacial Surgery (Joint M.D.,C.M. & O.M.F.S.)
Medicine & Oral and Maxillofacial Surgery , page 94
 - 8.1.7 Bachelor of Science (B.Sc.) - Medicine Preparatory Program (Med-P Program) , page 94
 - 8.2 Other Programs Offered Within the Faculty of Medicine and Health Sciences, page 95
 - 8.2.1 Bachelor of Science (B.Sc.) Programs, page 95
 - 8.2.2 Graduate Studies and Research in the Medical Sciences, page 95
 - 8.2.3 Graduate Training Programs in the Clinical Departments, page 95
 - 8.3 Admission Procedures and Requirements, page 95
 - 8.3.1 Special Admissions Pathways, page 96
 - 8.3.1.1 Quebec First Nations and Inuit Faculties of Medicine Program, page 96
 - 8.3.1.2 Canadian Indigenous Pathway, page 96
 - 8.3.1.3 Rural and Small Populations Pathway (RSPP), page 97
 - 8.3.1.4 Black Candidate Pathway, page 98
 - 8.3.1.5 International Medical Graduates (with Advanced Standing), page 98
 - 8.3.1.6 Canadian Armed Forces Pathway, page 99
 - 8.3.2 Applicant Categories, page 99
 - 8.3.3 Academic Criteria, page 100
 - 8.3.4 Non-Academic Qualities, page 100
 - 8.3.5 File Review Process, page 101
 - 8.3.6 Interview Process, page 101
 - 8.4 Eligibility Requirements, page 101
 - 8.4.1 Undergraduate Degree, page 101
 - 8.4.2 Basic Science Prerequisites, page 102
 - 8.4.3 MCAT (Medical College Admission Test), page 103
 - 8.4.3.1 About the MCAT, page 103
 - 8.4.3.2 Submitting Your Results, page 103
 - 8.4.4 Requirements for Med-P, page 104
 - 8.4.5 Eligibility for Special Admission Pathways, page 104
 - 8.5 Procedures for Selection and Admission, page 105
 - 8.5.1 Submitting an Application, page 105

- 8.5.2 Deadlines, page 105
- 8.5.3 Notification of Decision, page 105
- 8.5.4 Request for Reconsideration, page 105
- 8.5.5 Acceptance of Offers or Waiting List, page 106
- 8.5.6 Deferred Admission, page 106
- 8.5.7 Advanced Standing or Transfer of Credits, page 106
- 8.6 Requirements for Registration and Matriculation, page 107
 - 8.6.1 Basic Cardiac Life Support, page 107
 - 8.6.2 Infectious Diseases and Infection Control, page 107
 - 8.6.3 Academic Standards and Essential Skills, page 108
 - 8.6.4 Registration with the CMQ, page 109
 - 8.6.5 Security (Criminal Record) Check, page 109
 - 8.6.6 Language Proficiency, page 109
 - 8.6.7 Information Technology, page 110
 - 8.6.8 Standards of Behaviour and Code of Conduct, page 110
 - 8.6.9 Medical Equipment, page 110
- 8.7 Registration Procedures, page

1 **Medicine and Health Sciences**

1.1 **Location**

Faculty of Medicine and Health Sciences

Administrative Offices
3605 de la Montagne Street
Montreal QC H3G 2M1
Canada

Educational Services

3. Service

The Faculty of Medicine and Health Sciences is committed to contributing to the development of healthier societies locally, nationally, and internationally through education, research, clinical care, and collaboration. Members and trainees of the Faculty provide exemplary, scientifically-based health support and services to the McGill target populations and participate actively in national and international professional organizations. The Faculty promotes a scholarship of application that aims to ensure that the latest available knowledge is used to improve the care and well-being of society.

2 Administrative Officers

Administrative Officers in the Faculty of Medicine and Health Sciences

David Eidelman	Vice-Principal (Health Affairs) and Dean of the Faculty of Medicine and Health Sciences
Samuel Benaroya	Associate Vice-Principal and Vice-Dean (Health Affairs)
Demetra Kafantaris	Executive Director, Administration and Operations
Leah Moss	Senior Advisor to Vice-Principal (Health Affairs) and Dean of the Faculty of Medicine and Health Sciences
Lesley Fellows	Vice-Dean (Academic Affairs)
Marc Pell	Assistant Dean (Academic Affairs)
Natasha Rajah	Assistant Dean, Academic Career Development
Shari R. Baum	Vice-Dean (Research)
Sylvain Baillet	Associate Dean (Research)
Farhan Bhanji	Vice-Dean (Education)
	Associate Dean (Education Technology & Inno

Administrative Officers in the Faculty of Medicine and Health Sciences

Olivia Tse

Assistant Dean (Resident Affairs)

Beth-Ann Cummings

Assistant Dean (Health Professions Education)

Heather Abrahams

Associate Dean (Continuing Professional Development)

Francesca Luconi

Assistant Dean (Continuing Professional Development)

Associate Dean (Faculty Development)

5.2 Student Services and Regulations

5.2.1 Student Advising

The Mission Statement of the Uni

are expected to have a working knowledge of the English and French languages. French language proficiency is a requirement for B.Sc.(N.) and Qualifying Year programs. For further information, please refer to mcgill.ca/nursing/apply.



Note for Physical and Occupational Therapy: All sites within the McGill network require students to have a working knowledge of both English and French. To be eligible for the most varied fieldwork experiences, students are required to prepare themselves to work in both languages. Students who do not speak French will have more limited clinical placement opportunities. This may result in delayed graduation from the program.

5.2.2.1 Proof of Proficiency in English

Applicants are not required to submit proof of proficiency in English if the

Current information indicates that there is a potential risk of transmission of Hepatitis B from practitioner to patients in the clinical dental setting. Therefore, applicants for the D.M.D. program, the General Practice Residency Program in Dentistry, and all Oral and Maxillofacial Surgery programs will be required to be tested for Hepatitis B surface antigen by the Student Wellness Hub. Applicants who test positive for Hepatitis B surface antigen will be tested for Hepatitis B “e” antigen and Hepatitis B viral DNA to help determine infectivity risk. If tests for either Hepatitis B “e” or Hepatitis B viral DNA are positive, the of

General Fees

Prepayment Fee:

Dentistry	\$500
Pre-Dentistry	\$400
Medicine	\$500

Communication Sciences and Disorders Fees

M.Sc.A. ID Badge – First Year	\$28.75
-------------------------------	---------

Dentistry - Purchases of Equipment and Materials Fee

In addition to the fees shown on the list of fees for Dentistry, students must purchase certain items of equipment and supplies from the Faculty of Dentistry. The fee also includes an amount for general supplies in the laboratories and clinics and will be billed on your e-bill.

The cost of these purchases (including GST and QST) in 2022–2023 is estimated as follows:

First Year	\$400
Second Year	\$19,220
Third Year	\$4,060
Fourth Year	\$2,500

For more information, see mcgill.ca/dentistry/programs. You will receive an e-bill in August with the exact breakdown of costs related to your equipment purchases. Costs of purchases will be finalized in late June and available in the cost tables found on the [Student Accounts website](#).

Dentistry Extra Fees

1 Short White Coat with McGill Logo	approximately \$35
Supplemental or Reread Exam Request Fee	\$45.16 per exam

Dental Clinic/Lab Maintenance & Improvement Fee (as of 2022-2023)

Second Year	\$1,278.68
Third Year	\$2,557.32
Fourth Year	\$2,557.32

Dentistry - Laptops

The Faculty of Dentistry uses web-based courseware and examinations. Students are required to be equipped with laptops that meet certain minimum requirements.

Dentistry and Medicine - Microscopes

In order to ensure that each student is adequately equipped for the microscopic work in histology, microbiology, and pathology, a binocular microscope is provided for all students in first and second year.

Medicine Fees

Books, Laboratory Materials, Gloves, Anatomy Dissection Kit, Stethoscope, BP cuff, etc.	approximately \$1,500 to \$2,000 (for duration of program)
2 Short White Coats with McGill Logo	approximately \$100
<i>Collège des médecins du Québec</i> (CMQ) registration fee – beginning of First Year (September 30)	\$120

Medicine Extra Fees

Vaccines	see the Student Wellness Hub
French Medical Workshop (optional registration; recommended) – <i>All students are required to have working French knowledge during clinical rotations (years 2, 3, 4)</i>	\$385 per course (see Language Requirements)

Medicine - Laptops

The M.D.,C.M. program uses web-based courseware and examinations. Students are required to be equipped with laptops that meet certain minimum requirements throughout all four years of the M.D.,C.M. program.

Nursing Fees

Books, Uniform, Stethoscope, etc.	approximately \$2,500 to \$3,500 (for duration of the program)
Graduation Pins – Third Year	

5.4 Immigration Information

Unless their studies at McGill will be completed in less than six (6) months, all students who are not Canadian citizens or Permanent Residents of Canada must obtain proper authorization from both Quebec and Canadian Immigration officials prior to proceeding to Canada and/or commencing studies. The process begins with a Letter of

1160 Pine

The MGC is also home for the Centre of Genomics and Policy (CGP). The CPG works at the crossroads of law, medicine, and public policy. Applying a multidisciplinary perspective and collaborating with national and international partners, the CGP analyzes the socio-ethical and legal norms influencing the promotion, prev

In 2015, the MUHC brought together our legacy sites - the Royal Victoria Hospital, the Montreal Children's Hospital, the Montreal Chest Institute and the Cedars Cancer Centre - onto one site: the Glen. At the Glen site, our vision of excellence is taking shape by integrating healthcare, research and teaching on a whole new level. With custom-built facilities, state-of-the-art equipment and nurturing healing environments, we are pushing the boundaries of innovation for our current generation and those to come. Renovations are also underway at our other MUHC sites -the Montreal General Hospital, the Montreal Neurological Hospital and the Lachine Hospital - as we continue to strive to provide the best care for life for our patients and families.

For more information on the MUHC, visit muhc.ca.

There are three other principal teaching hospitals:

Jewish General Hospital (a member facility of the Integrated Health and Social Services University Network for West-Central Montreal / Centre intégré universitaire de santé et de services sociaux (CIUSSS) du Centre-Ouest-de-l'Île-de-Montréal)

3755 Côte Ste-Catherine Road
Montreal QC H3T 1E2
Telephone: 514-340-8222
Website: www.jgh.ca

Since 1934, the Jewish General Hospital has served patients of diverse religious, linguistic and cultural backgrounds who reside in Montreal, elsewhere in Quebec, and beyond. As one of the province's largest acute-care hospitals, this 637-bed McGill University teaching hospital admits more than 25,000 patients per year, while handling approximately 520,000 outpatient visits, more than 86,000 emergency visits, and more than 3,900 births.

The hospital provides child and adolescent, adult, and geriatric clinical services, and is dedicated to treating patients in the least restrictive manner possible, with a major focus on rehabilitation and successful reintegration into the community. It offers training for residents in psychiatry, as well as for medical and paramedical students from a wide range of disciplines.

The Douglas Institute is one of the largest research centres in mental health in the country, with a team of 69 scientists and clinical researchers and more than 247 university students. This team is devoted to making better sense of the causes of mental disorders - whether genetic, environmental, cultural, or social - as well as developing diagnostic tools, treatments, and prevention methods.

The Douglas Hospital Research Centre is also home to McGill University centres in schizophrenia, aging, and suicide, as well as the Montreal Pan American Health Organization/World Health Organization Collaborating Centre for Reference and Training in Mental Health, which offers consultation services, research, and teaching programs here and abroad.

Visit the [Douglas Research Centre website](#) to learn more.

5.5.2.2 Institutions Affiliated with McGill University

As part of the Quebec Government's health care reform in 2015, most health care institutions merged and grouped into larger entities called either a Centre intégré universitaire de santé et de services sociaux (CIUSSS), or a Centre intégré de santé et de services sociaux (CISSS). In general, contracts of affiliation are no longer between individual hospitals and the University but between these larger entities and the University.

The following institutions have contracts of affiliation with McGill University for participation in teaching and research in one or more departments and services:

McGill University Health Centre

www.muhc.ca

CIUSSS de l'Ouest-de-l'Île-de-Montréal

www.ciuss-ouestmtl.gouv.qc.ca

CIUSSS du Centre-Ouest-de-l'Île-de-Montréal

www.ciusswestcentral.ca

CISSS de l'Outaouais

www.ciuss-outaouais.gouv.qc.ca

CISSS de Laval

www.lavalensante.com

Shriners Hospitals for Children - Canada

<https://www.shrinershospitalsforchildren.org/montreal>

5.5.3 Clinical Facilities for Dentistry

The McGill University Undergraduate Teaching Dental Clinic, previously located in the Montreal General Hospital, is now located at:

Place Mercantile
2001 McGill College Avenue, Suite 100
Montreal QC H3A 1G1
Canada
Telephone: 514-398-7203
Fax: 514-398-8900
Website: mcgill.ca/dentistry/undergraduate-teaching-clinic/contact

At the Clinic, students in the undergraduate program are taught under the guidance of the dental staff to carry out various phases of clinical dentistry and related laboratory procedures. They attend this clinic daily except for such time as may be taken up by lectures or other University work.

5.5.4 Facilities for Human Nutrition

The Mary Emily Clinical Nutritional Research Unit is located on 7 Maple Street in Sainte-Anne-de-Bellevue.

The Unit was developed in 1995 with the objective to create a facility dedicated to in-patient human nutrition experimentation using precisely controlled diets. The Unit is housed in a detached 5,000 sq. ft. building located at the perimeter of the Macdonald Campus with easy access to the community at large. This Unit is capable of supporting 12 research subjects on an in-patient basis. The facility is unique in Canada, in that it allows strict, in-house monitoring and testing of research subjects over prolonged periods while they consume diets prepared in-house. The first floor houses a state-of-the-art metabolic kitchen to prepare foods in a controlled manner, including a sitting area for meal consumption. The second floor houses an interview room to provide for attainment of written ethical consent/assent. A research/clinical assessment room is dedicated to procedures that include blood sampling by a phlebotomy team or clinical staff in adults, infants, and children.

The Unit is a self-supporting initiative which is available for use by external researchers. For further information regarding collaborative or independent extramural research interests, contact the Director of the *School of Human Nutrition*.

5.5.5 Research Centres

- *section 5.5.5.1: Alan Edwards Centre for Research on Pain*
- *section 5.5.5.2: Artificial Cells and Organs Research Centre*
- *section 5.5.5.3: Biomedical Ethics Unit*
- *section 5.5.5.4: Centre for Research in Reproduction and Development*
- *section 5.5.5.5: Centre for Research on Brain, Language and Music*
- *section 5.5.5.6: Ludmer Centr*

The Biomedical Ethics Unit of McGill University, Montreal, was established in 1996 with the aim of supporting scholarly research, clinical services, teaching and public outreach. Members of the unit have backgrounds in sociology, molecular genetics, history, and philosophy with cross-appointments in *Social Studies of Medicine*, *Family Medicine*, *Experimental Medicine*, *Human Genetics*, *Sociology*, and the *Department of Epidemiology, Biostatistics and Occupational Health*.

The BMEU faculty and trainees are active in a variety of interdisciplinary research areas and have expertise in clinical trial methods, research ethics, genetics, reproductive technologies, access to care, public health ethics, health inequalities, biosecurity, anti-aging research, end-of-life care policies, and pharmaceutical development.

We offer a *Master's Degree Specialization* in Bioethics. The Program admits students from the tw

- Develops innovative, interoperable and open-source neuroinformatics infrastructure.
- Leads and supports the application of largescale big-data approaches to brain research.
- Mentors and trains transdisciplinary researchers in the application of big-data research.

Alan Evans leads the **Neuroimaging and Neuroinformatics Pillars** (the McGill Centre for Integrative Neuroscience-MCIN) at The Neuro. A James McGill Professor of Neurology & Neurosurgery, he is the **Scientific Director** of three McGill-led transdisciplinary initiatives: the *Canadian Open Neuroscience Platform*, *Helmholtz International BigBrain Analytics Learning Laboratory*, and *Healthy Brains, Healthy Lives*.

Celia Greenwood leads the **Genomics, Bioinformatics & Statistical Genetics Pillar**. She is a James McGill Professor in the departments of Oncology, Human Genetics & Epidemiology; Biostatistics & Occupational Health; and the Division of Cancer Epidemiology; and the **Graduate Program Director** of the Ludmer-supported **Quantitative Life Sciences (QLS)** PhD program at McGill.

Dr Patricia P Silveira leads the **Genomic & Epigenetics Pillar**. She is an Assistant Professor in the Department of Psychiatry at McGill University and **Leads** the Environmental Adversity, Neurodevelopment and Mental Health research group at the **Douglas Mental Health University Institute**. Dr Silveira is a member of the **National Scientific Council on the Developing Child** at the **Harvard School of Medicine**.

To learn more, [contact us](#) or participate in a [Ludmer event](#).

5.5.5.7 McGill Centre for Research in Neuroscience

Montreal General Hospital, Livingston Hall, L7 132
 Research Institute of the McGill University Health Centre
 1650 Cedar Avenue
 Montreal QC H3G 1A4
 Telephone: 514-934-8094
 Fax: 514-934-8216
 Website: mcgill.ca/crn

The McGill Centre for Research in Neuroscience (CRN), which was officially established as a University Centre in 1986 under the leadership of Dr. Albert Aguayo, is a vibrant research centre that brings together basic and clinical scientists in highly interactive research groups.

With construction of new CRN laboratories in 1993 and continued expansion since, the group has broadened its focus to include research into the development of neural tissues, synapse formation, and plasticity, the assembly and function of neural circuits, and behavior, while maintaining its strengths in regeneration and repair.

The CRN has been and remains home to some of Canada's most distinguished neuroscientists. We number more than 60 trainees and staff at any time, including postdoctoral researchers, graduate students, undergraduates, and technicians. The CRN offers a program to train pre-doctoral students for an M.Sc. or Ph.D. degree, as well as postdoctoral Ph.D. or M.D. graduates for careers in biomedical research.

5.5.5.8 McGill Centre for Translational Research in Cancer

Lady Davis Institute for Medical Research
 Jewish General Hospital
 3755 Côte Ste-Catherine
 Montreal QC H3T 1E2
 Telephone: 514-340-8222 ext. 28873
 Website: mcgill.ca/translational-research-cancer

The great challenge faced by the oncology research community is the translation of laboratory and clinical research data into clinical outcomes of benefit in the assessment, treatment and prevention of cancer. Established in 1996, thanks to a generous endowment gift from the Goldfarb Family Foundation and the Alexander Family Foundation, the MCTRC aims to facilitate the translation of the exciting novel findings from fundamental research laboratories into testable hypotheses for evaluation in clinical trials in oncology (bench-to bedside translation).

The Centre provides the infrastructure to bring fundamental and clinician researchers together in order to synergize their efforts at generating novel and promising translational research. This provides a structured focus for these activities and accelerates the testing of potential benefits derived from scientific discovery. Over the years, the MCTRC researchers have been key in discovering, testing and translating new treatment options and diagnostic markers that leads to new cancer management guidelines, and improving cancer care to Canadians.

The Centre provides core functions to enhance translational research, including:

- Two core clinical research programs: (a) the Clinical Research Unit (CRU), highly specialized in early phase and complex trials of new agents, involves patient monitoring and sample taking; (b) Clinical Research Program runs later stage studies of new therapies that are closer to clinical approval.
- The Research Molecular Pathology Centre integrated with Optilab, houses state of the art Next Generation Sequencing (NGS), Gene Expression Profiling, and Digital Pathology Platforms and has the goal to generate and offer multi-dimensional technologies toward identifying actionable genetic alterations and molecular drivers of cancer phenotypes that can be seamlessly transferred in the clinical setting.
- Six biobanks with more than 7,000 participants and 60,000 samples: a) Central Biobank: gastro intestinal, head and neck cancers; b) Breast Cancer Biobank; c) Gynecologic Cancer Biobank; d) Lymphoma Biobank; e) Montreal Immune Related Adverse Events (MIRAE) Biobank: related to cancer immunotherapies; and f) McGill Clinical Genomics (McG) Biobank: studying the risk of common complex, rare and infectious diseases. In the past year, the JGH biobanks worked as a group to establish institutional biosafety guidelines regarding the biobanking activities during the pandemic, with a laboratory space dedicated to work with COVID-19 positive specimens. An SOP for remote consenting was also developed promptly.

- The Proteomics Centre integrated with Optilab, a first in Quebec to have certified environment with standardized SOPs to allow for the most rapid translation of proteomics assays into the clinical practice, ultimately improving quality of cancer care in the province by improving precision medicine.
- The Augmented Intelligence & Precision Health Program: using handcrafted radiomics and machine learning multiple deep neural network architectures for image analysis and prediction modeling using various imaging modalities including CT and MRI.
- Molecular modeling Platform for new drug discovery: Computer-aided drug design (CADD) is a very useful technology to computationally screen chemical databases against 3-D structures of the target proteins and rank compounds according to the predicted binding affinity. CADD is commonly used in the process of drug discovery due to the rapidly increasing amount of 3-D protein structures available and, the cost and time efficiency of the

The McGill University Research Centre for Studies in Aging (MCSA) is committed to investigating causes and possible treatments of the dementias, especially Alzheimer's Disease. Established in 1985 to develop and offer specialized services for the elderly, MCSA has grown into a multi-disciplinary academic unit dedicated to gerontological research and postgraduate teaching. The MCSA research scope is broad, encompassing mechanisms of aging as well as prevention of age-associated disorders. Since its inception, the MCSA remains dedicated to transformative research and counts numerous teaching, public education, and research accomplishments. The Centre has achieved international recognition and outreach, continuously attracting students, young scientists and international collaborators in Alzheimer's Disease research. The Centre's scientific production and visibility through many highly cited contributions attest to its excellence and world-class research positioning.

During the past decades, the MCSA has played a pioneering role in identifying genetic abnormalities leading to an increased risk for Alzheimer's Disease. The Memory Clinic of the Alzheimer's Disease Research Unit, developed by Professor Emeritus Dr. Serge Gauthier, continues to focus on improved therapies, long-term treatment of subjects affected by dementia, and enhancing the quality of life of patients and caregivers. Over the last 37 years the priority of the MCSA evolved to primary prevention of cognitive decline, early diagnosis, and treatment for persons with mild or prodromal symptoms, and best treatments for patients with various types of dementia. The importance of genes such as ApoE as risk factors and as predictors of response to treatment in Alzheimer's Disease was one of the significant contributions of the MCSA to the field of aging. Another achievement of the MCSA is the strong link with academic research centres worldwide, including Brazil, China, and Germany, which is reflected by a steady flow of students and visiting scholars from these countries, among others.

In Canada, the MCSA created the academic trial network C5R and has hosted consensus meetings on the best evidence-based approach to the diagnosis and management of various types of dementia. The current focus of the MCSA is on prevention, and the development of tools and methods to allow earliest diagnosis and intervention of age-related disease. Prevention has been identified as an important objective in dementia research by national and international institutes (Alzheimer Society of Canada, National Institute of Aging USA) and is a priority of McGill University over the next decade. The MCSA contributes to this effort with its Dementia Prevention Program that was launched in 2012, entitled "Prevention of Neurodegenerative Disease in Everyone at Risk" (P.O.N.D.E.R.). This program was rebranded in 2020 and is now called SN

Founded in 1934 by neurosurgeon Dr. Wilder Penfield, The Neuro is the largest specialized neuroscience research and clinical centre in Canada, and one of the largest in the world. Our mission/goal is to accelerate the discovery of new treatments and cures through Open Science to help patients with neurological disorders. The Neuro delivers exceptional care to thousands of patients and is a critical referral centre (for Quebec, Canada) for the most difficult neurological conditions /disorders and for patients lacking definitive diagnoses. Each year, there are more than 37,000 ambulatory visits to The Neuro, over 2,500 patients admitted, and more than 70,000 diagnostic and interventional procedures (angiograms, CT, EEG, EMG, MRI, etc.) and 1,800 surgeries performed.

The Neuro's scientists and clinicians are pushing the frontiers of science and medicine. They have pioneered surgical treatments of epilepsy and developed electroencephalography as a tool to diagnose seizure activity. The Neuro is the home of many famous neuroscientists including Brenda Milner, Herbert Jasper, KAC Elliot, Robert Zatorre, Alan Evans, Guy Rouleau and many others. The Neuro's McConnell Brain Imaging Centre (BIC) is one of the top three brain imaging centres in the world pioneering multimodal imaging, large open reference data sets and introducing brain imaging to Canada: Computer Tomography (CT) (1973), Positron Emission Tomography (PET) (1975), Magnetic Resonance Imaging (MRI) (1985), and whole body 7T MRI (2019).

The Neuro strives to adopt the newest technologies and recruit the best scientists, trained at the world's leading research centres. Through Open Science, it is now at the vanguard of brain science: transparent, fast and global flow of kno

Website: mcgill.ca/library/branches/schulich

Osler Library of the History of Medicine

The Osler Library of the History of Medicine has as its nucleus the 8,000 volumes willed to McGill University in 1919 by Sir William Osler (one of its most famous pupils and teachers). The Osler Library is moving back to the McIntyre Medical Sciences Building between April and August 2022. Service disruptions are expected and collection will be unavailable. Please check the Library's [news and events page](#) often for Osler status updates.

More details are available on the Osler Library Website.

3655 Promenade Sir William Osler, 3rd Floor
Montreal QC H3G 1Y6
Website: mcgill.ca/library/branches/osler

For hours, see:

Website: mcgill.ca/library/branches/hssl

Macdonald Campus Library

The Macdonald Campus Library, located in the Barton Building, is a primary resource for Dietetics and Human Nutrition users. The Library's collection encompasses a wide variety of resources in agriculture, food and animal science, nutrition, the environment, ecology, plant science, and agricultural engineering. The Library's hours vary throughout the year and are available on the website noted above or by telephoning 514-398-7881.

Barton Building
21,111 Lakeshore Road
Ste. Anne de Bellevue QC H9X 3V9
Website: mcgill.ca/library/branches/macdonald

6 Academic Units in the Faculty of Medicine and Health Sciences

For a full list of schools, departments, institutes, centres, and units in the Faculty of Medicine and Health Sciences, please refer to mcgill.ca/medicine/departments-schools.

- School of [section 6.1: Medicine](#)
 - [section 6.1.3: Anesthesia](#)
 - [section 6.1.4: Diagnostic Radiology](#)
 - [section 6.1.5: Emergency Medicine](#)
 - [section 6.1.6: Family Medicine](#)
 - [section 6.1.7: Medicine](#)
 - [section 6.1.8: Neurology and Neurosurgery](#)
 - [section 6.1.9: Obstetrics and Gynecology](#)
 - [section 6.1.10: Oncology](#)
 - [section 6.1.11: Ophthalmology](#)
 - [section 6.1.12: Otolaryngology – Head and Neck Surgery](#)
 - [section 6.1.13: Pathology](#)
 - [section 6.1.14: Pediatrics](#)
 - [Pediatric Surgery](#)
 - [section 6.1.15: Psychiatry](#)
 - [section 6.1.16: Social Studies of Medicine](#)
 - [section 6.1.17: Surgery](#)
- School of [section 6.2: Biomedical Sciences](#)
 - [section 6.2.3: Anatomy and Cell Biology](#)
 - [section 6.2.4: Biochemistry](#)
 - [section 6.2.5: Biomedical Engineering](#)
 - [section 6.2.7: Human Genetics](#)
 - [section 6.2.8: Microbiology and Immunology](#)
 - [section 6.2.9: Pharmacology and Therapeutics](#)
 - [section 6.2.10: Physiology](#)
 - [McGill Genome Centre](#)
 - [section 6.2.6: Rosalind and Morris Goodman Cancer Institute](#)

- School of [section 6.3: Communication Sciences and Disorders](#)
- Further information about the School is a

Anesthesia Faculty

6.1.4.2 Core Courses

This Department contributes to the multidisciplinary curriculum components of Fundamentals of Medicine and Dentistry (FMD) and Transition to Clinical Practice (TCP) for the M.D.,C.M. program. In addition, see the [Elective Program](#) for elective opportunities.

6.1.4.2.1 Courses

RADD 301 – TCP Radiology

6.1.4.3 Diagnostic Radiology Faculty

Professor and Chair

TBD

Professors

R. del Carpio-O'Donovan, R. Lisbona

Associate Professors

A. Assaf, L. Carpineta, J. Chankowsky, M. Cortes, V. Derbekyan, R. Forghani, M. Levental, C. Saint-Martin, R. Satin, D. Valenti

Assistant Professors

G. Abikhzer, K. Ah Lan, P. Albuquerque, A. Aldis, G. Artho, G. Belley

6.1.6.2 Core Courses

This Department contributes to the multidisciplinary components of the M.D.,C.M. program (Fundamentals of Medicine and Dentistry, Transition to Clinical Practice, and Core & Senior Clerkship).

INDS 124J1/INDS 124J2/INDS 124J3 – Longitudinal Family Medicine Experience

FMED 301 – TCP Family Medicine

FMED 405 – Family Medicine Clerkship

The Family Medicine & Mental Health block is a 16-week rotation divided into four segments: Family Medicine Rural (four weeks), Family Medicine Urban (four weeks), Inpatient Psychiatry (four weeks), and Outpatient Psychiatry (four weeks).

6.1.6.3 Electives

The Department provides several electives for medical students. See the [Elective Program](#) for elective opportunities.

6.1.6.4 Family Medicine Faculty

Chair

M. Dove

Professors

M. Afilalo, N. Andersson, G. Bartlett-Esqilant, H. Bergman, J. Haggerty, A. Macaulay, P. Pluye, C. Rodriguez, Y. Steinert, M. Yaffe

Associate Professors

A. Aalamian, A. Andermann, R. Becker, E. Bereza, Y. Bergevin, M. Boillat, A. Cockcroft, M. Dworkind, P. Feldman, S. Glaser, R. Grad, N. Gupta, V. Jimenez, K. Johnson, J. Kirk, B. Lapointe, M. Malus, J. McClaran, J. Nemeth, A. Pavilanis, I. Rohan, E. Rosenberg, E. Segal, I. Shrier, E. Stern, P. Tellier, A.

Lecturers

Chirigiu, S. Chiry, I. Chotard, J. Chou, D. Chouinard, G. Chouinard, I. Ciobanu, J. Clark, T.J. Clarke, V. Clermont, I. Cloutier,

Montreal QC H4A 3J1
Website: mcgill.ca/deptmedicine

6.1.7.2 Core Courses

This Department contributes to all curriculum components of the M.D.,C.M. program and takes a leadership role in the following courses:

IMED 301 – TCP Internal Medicine

IMED 401 – Internal Medicine Clerkship

6.1.7.3 Graduate Courses

Experimental Medicine

See the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section.

6.1.7.4 Medicine Faculty

Chair

M. Rodger

Emeritus Professors

J. Bergeron, R. Blostein, G.M. Bray, J.H. Burgess, S. Carbonetto, T.M.S. Chang, M. Cosio, S. Cruess, N. Gilmore, H. Goldsmith, R.D. Guttman, M. Kaye, R. Levin, M. Levy, N. Macdonald, O. Mamer, M. McGregor, H. Menard, P. McLeod, S. Mulay, B.E. Murphy, C.K. Osterland, L. Pinsky, W. Powell, H. Scott, E. Skamene, C. Srikant, A. Tenenhouse, E. Wang

Professors

M.A. Alaoui-Jamali, S. Ali, C. Autexier, A. Barkun (*Douglas G. Kinnear Professor of Medicine*), M. Baron, S. Bartlett, A. Bateman, G. Batist, N. Beauchemin, M. Behr, H. Bergman, S. Bernatsky, A. Bitton, V. Blank, J. Bourbeau, C.W. Bourque, J. Brophy, M. Cantaro

Assistant Professors

C. Davies, K. Davison, N. Dayan, A. Demirjian, S. Dial, D. Doell, A. Douros, S. Dube, R. Eappen, J. Eid, S. Eintracht, T. El-Helou, C. Elbaz, N. Ezer, S.

Montreal QC H3A 2B4
 Website: neurology.mcgill.ca

Montreal Neurological Institute
 3801 University Street
 Montreal QC H3A 2B4
 Website: mcgill.ca/neuro

Montreal General Hospital
 1650 Cedar Avenue
 Montreal QC H3G 1A4
 Website: muhc.ca/mgh/dashboard

Centre for Research in Neuroscience
 1650 Cedar Avenue
 Montreal QC H3G 1A4
 Website: mcgill.ca/crn

Montreal Children's Hospital
 1001 Decarie Boulevard
 Montreal QC H4A 3J1
 Website: www.thechildren.com

Jewish General Hospital
 3755 Côte St. Catherine Road
 Montreal, QC H3T 1M5
 Website: www.jgh.ca

St. Mary's Hospital
 3830 Lacombe Avenue
 Montreal QC H3T 1E2
 Website: www.smhc.qc.ca

6.1.8.2 Core Courses

This Department contributes to the multidisciplinary curriculum of the M.D.,C.M. program, specifically during the Fundamentals of Medicine and Dentistry (FMD) and Transition to Clinical Practice (TCP) components.

NEUR 301 – TCP Neurology

6.1.8.3 Electives

The Department provides electives for medical students. These are available at the Montreal Neurological Hospital, the Montreal General Hospital, the Jewish General Hospital, the Royal Victoria Hospital (Glen Site), and St-Mary's Hospital. See the [Elective Program](#) for elective opportunities.

6.1.8.4 Graduate Courses

See the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section.

6.1.8.5 Neurology and Neurosurgery Faculty

Chair

G. Rouleau

Associate Chair of the Department of Neurology and Neurosurgery

A.-L. Lafontaine

K. Petrecca

Emeritus Professors

A. Aguayo, G. Bray, S. Carbonetto, R. Del Maestro, M. Diksic, S. Gauthier, P. Holland, D. Lawrence, A. Olivier, H. Pappius, M. Rasminsky, G. Watters

Professors, Post-Retirement

R. Del Maestro, A. Oliver, M. Rasminsky, R.J. Riopelle, B. Rosenblatt, G. Tannenbaum

Professors

E. Andermann, J. Antel, D. Arnold, M. Avoli, S. Baillet, A. Bernasconi, C. Bourque, B. Brais, C. Chalk J.F. Cloutier, L. Collins, R. Côté, A. Dagher, S. David, J. Doyon, H. Durham, A. Evans, J.P. Farmer, L. Fellows, E. Fon, A. Fournier, J. Gotman, D. Guitton, E. Hamel, K. Hastings, B. Jones, T. Kennedy, R. Leblanc, L. Levin, H. McBride, P. McPherson, B. Milner, G. Mohr, K. Murai, J. Nalbantoglu, C. Pack, M. Petrides, R. Postuma, A. Ptito, Y. Rao, P. Rosa-Neto, G. Rouleau, E. Ruthazer, A. Sadikot, H. Schipper, G. Sébire, P. Séguéla, A. Shmuel, W. Sossin, S. Stifani, A. Thiel, D. van Meyel, R. Zatorre

Associate Professors

B. Bedell, S. Bekhor, G. Bernard, J. Carlton, B. Chen, M.D.P. Cortes-Nino, E. de Villers Sidani, F. Dubeau, M. Elsabbagh, B. Frauscher, A. Genge, P. Giacomini, M.C. Guiot, R. Hoge, P. Huot, P. Kavan, D. Klein, A. Kostikov, N. Ladbon-Bernasconi, A.L. Lafontaine, Y. Lapierre, S. Lubarsky, R. Massie, C. Melmed, A. Milnerwood, J. Minuk, F. Moore, K. Moore, M. Oskoui, H. Paudel, K. Petrecca, J.P. Poline, C. Poulin, D. Ragsdale, C. Renoux, R. Schondorf, J. Sjostrom, N. Spreng, D. Stellwagen, J. Teitelbaum, D. Trojan, J. Van Raamsdonk, L. Xiong, J. Zhang

Assistant Professors

R. Altman, M. Angle, G. Armstrong, J. Atkinson, B. Bernhardt, MC. Brunet, R. Diaz, M.E. Dilenge, S. DiM42.essorl11eCte Pr

Associate Professors

S. Abbasinejad Enger, J. Agulnik, T. Alcindor, J. Alfieri, J. Asselah, L. Azoulay, S. Caplan, P. Chaudhury, D. Cournoyer, S. Devic, M. Fabian, S.L. Faria, M. Henry, M. Hier, T. Hijal, A. Jahani-Asl, N. Johnson, P. Kavan, P. Laneuville, A. Langleben, B. Lapointe, S. Lau, A.S. Liberman, A. Loutfi, M. Martin, L. McCaffrey, A. Me

Emeritus Professor

A. Katsarkas

Professors

M. Desrosiers, N. Fanous, W.R.J. Funnell, M. Hier, J. Manoukian, L. HP. Nguyen, W.H. Novick, R. Payne, J. Rappaport, M. Samaha, B. Segal, M. Tewfik, A.G. Zeitouni

Associate Professors

M. Desrosiers, N. Fanous, W.R.J. Funnell, M. Hier, J. Manoukian, L. HP. Nguyen, W.H. Novick, R. Payne, J. Rappaport, M. Samaha, B. Segal, M. Tewfik, A.G. Zeitouni

Assistant Professors

F. Chagnon, M. Duval, V.I. Forest, J. Gurberg, Y. Lacroix, R. Lafleur, A. Lehmann, C. Marchica, T. Mijovic, A. Mlynarek, K. Richardson, J. Schwartz, G. Sejean, L. Tarantino, S.D. Wurzba, J. Yeung, J. Young

Associate Members

H.L. Galiana, M. Henry, N.Y.K. Li, L. Mongeau, M. Paliouras, M. Sewitch

Lecturers

C. Boucher, S. Bouhabel, R. Caouette, M. Campagna-Vaillancourt, R. Dionne, Yalon Dolev, A. Finesilver, L. Himdi, O. Houle, V. Iordanescu, M. Lalonde, L. Monette, S. Nguyen, L. Picard, J. Rothstein, R. Varshney, T.V.T. Vu, R. Ywakim

6.1.13 Pathology**6.1.13.1 Location****UGME Contact Information**

Dr. René Michel
 MUHC – Glen Site
 1001 Décarie Blvd., Rm. E04.4156
 Montreal QC H4A 3J1
 Telephone: 514-934-1934, ext. 38779
 Fax: 514-934-8296
 Email: rene.michel@mcgill.ca

Science Undergraduate Education

Prof. Edith Zorychta
 Duff Medical Building
 3775 University Street
 Montreal QC H3A 2B4
 Telephone: 514-398-7125
 Email: edith.zorychta@mcgill.ca
 Website: mcgill.ca/pathology

6.1.13.2 Core Courses

The teaching in Pathology is designed to provide a systematic coverage of the principal diseases or groups of diseases, including their etiology, pathogenesis, pathology, and pathophysiology. This is done with a combination of lectures and small group sessions, in conjunction and integrated with the other courses of the M.D.,C.M. program. Thus, the Department of Pathology contributes to the Fundamentals of Medicine and Dentistry (FMD) curriculum components of the M.D.,C.M. program.

6.1.13.3 Electives

The Department provides two- and four-week electives for medical students after completion of the FMD curriculum from Molecules to Global Health and to Reproduction and Sexuality courses. These are available at the MUHC Glen site, Jewish General Hospital, and St. Mary's Hospital. Please contact the Pathology Teaching Office at pathologyteaching.med@mcgill.ca for more information or see the [Electives Opportunities](#).

6.1.13.4 Other Courses

PATH 300 – Human Disease

The Department is well-equipped for graduate research leading to the M.Sc. and Ph.D. degrees and offers several graduate-level courses.

Please see the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section, and the Faculty of Science's [Undergraduate](#) section for more information.

6.1.13.5 Pathology Faculty

Chair

Marie-Christine Guiot (*Interim*)

Director of Graduate Program

E. Zorychta

Professors

M. Apple, M.N. Burnier Jr., A. Ferenczy, R. Fraser, D. Haegert, I. Hüttner, R.P. Michel, A. Spatz, C.M. Telleria

Associate Professors

L. Alpert, J. Arseneau, C. Bernard, F. Brimo, M. Blumenkrantz, S. Camilleri-Broët, B. Case, M.F. Chen, M.-C. Guiot, T. Haliotis, J. Karamchandani, V.A. Marcus, V.-H. Nguyen, R. Onerheim, M. Pelmus, M. Pusztaszeri, L. Rochon, J. Sonnen, I. Roy, A.K. Watters, E. Zorychta

Assistant Professors

O.E. Ajise, M. Alameldin, S. Albrecht, O. Aleynikova, R. Amre, K. Bakdounes, M. Blumenkrantz, G.D. Brandao, J. Burnier, D. Caglar, J. Chepovetsky, P. Fiset, A. Florea, L. Florianova, L. Fu, A. Gre

Emeritus Professors

M. Belmonte, R. Brouillette, V. Der Kaloustian, F. Glorieux, H. Guyda, F. Kaplan, M. Kramer, B. Pless, C. Scriver, G. Tannenbaum, H. Tenenhouse, G. Watters

Professors

F. Bhanji, N. Braverman, B. Foster, C. Freeman, P. Goodyer, R. Gottesman, I. Gupta, L. Hechtman, N. Jabado, L. Lands, S. Liben, B. Mazer, A. Papageorgiou, R. Platt, C. Polychronakos, P. Puligandla, J. Rak, F. Rauch, S. Razack, D. Rosenblatt, R. Rozen, S. Shemie, M. Shevell, G. Sébire, J. Trasler, D. Withington

Associate Professors

N. Ahmed, R. Alizadehfar, L. Auger, I. Bank, C. Bardin, M-J. Béland, L. Bell, M. Ben-Shoshan, G. Bernard, D. Chalut, L. Chauvin-Kimoff, G. Chedeville, E. Constantin, A. Côté, A. Dancea, M. Dandavino, G. Di Meglio, G. Dougherty, A. Dubrovsky, K. Eppert, D. Faucher, P. Fontela, P. Forbes, T.E. Francoeur, D. Friedman, C. Goodyer, R. Gosselin, C. Henin, R.S. Hum., F. Jafarian, E. Khalil, L. Kovacs, P. Krishnamoorthy, C. Leblanc, D.G. Leduc, L. Legault, P. Li, A.-M. MacLellan, L. Majewska, C. McCusker, J. McDonald, J. Mitchell, D. Moore, V. Morinville, D. Munz, M. Nakhla, F. Noya, M. Oskoui, H. Patel, T. Perreault, L. Plotnick, C. Poulin, J. Rennick, C. Rohlicek, E. Rubin, L. Russell, A. Ryan, A. Sant'Anna, G. Sant'Anna, A.M. Sbrocchi, R. Scuccimarri, A. Shapiro, M. Srour, J. St. Pierre, B. Whittemore, P. Wintermark, S. Zavalkoff, D. Zielinski

Assistant Professors

S. Abish, H. Agostino, G. Ahronheim, G. Altit, R. Barnes, J. Bartholomew, L. Beaumier, M. Beltempo, R. Benkelfat, M. Berry, 1.1 53205gs, G. , 1.1 5320514 5 432.1 5

6.1.15.2 Core Courses

This Department contributes to the multidisciplinary curriculum components of the M.D.,C.M. program (Fundamentals of Medicine and Dentistry, Transition to Clinical Practice, Core & Senior Clerkship).

PSYT 401 – Psychiatry Clerkship

6.1.15.3 Electives

The Department provides several electives for medical students. See the [Elective Program](#) for elective opportunities.

6.1.15.4 Graduate Courses

For information regarding courses leading to the M.Sc. degree in Psychiatry, see the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section.

6.1.15.5 Psychiatry Faculty

Chair

G. Turecki

Director of Graduate Program

N. Mechawar

Emeritus Professors

F. Abbott, L. Annable, M.K. Birmingham, F. Engelsmann, N. Frasure-Smith, S. Gauthier, A. M. Ghadirian, C. Gianoulakis, A. Malla, J.C. Negrete, J. Paris, G. Pinard, S. Young

Professors (Post-Retirement)

J. Guzder

Professors

V. Bohbot, D. Boivin, M. Bond, J. Breitner, A. Brunet, N. Cermakian, S. El Mestikawy, F. Elgar, M.-J. Fleury, C. Flores, B. Giros, G. Gobbi, I. Gold, A. Gratton, D. Groleau, R. Gruber, L.T. Hechtman, R. Joobar, S. King, L.J. Kirmayer, E. Latimer, M. Lepage, M. Leyton, M.J. Meaney, N. Mechawar, R. Mizrahi, V.N.P. Nair, L. Palaniyappan, R. Palmour, J.C. Perry, R.O. Pihl, J. Poirier, R. Quirion, M. N.Rajah, P. Rosa, C. Rousseau, L.K. Srivastava, H. Steiger, B. Thombs, G. Turecki, C.-D. Walker, S. Williams

Associate Professors (Post-Retirement)

T.B. Brown, P. Zelkowitz

Associate Professors

J. Armony, S. Beaulieu, M. Berlim, R. Biskin, M.J. Brouillette, N. Casacalenda, E. Chachamovich, M. Chakravarty, D. Charney, J.B. Debruille, S. Ducharme, D. Dunkley, C.P. Ernst, C. Fichten, D. Frank, R. Fraser, A. Gagnon, G. Galbaud Du Fort, M. Gignac, A. Granich, B. Greenfield, N. Grizenko, K. Igartua, M. Israël, S.N. Iyer, E. Jarvis, S. Karama, T. Kolivakis, M. Lashley, K. Looper, H.C. Margolese, X. Meng, R. Montoro, G. Myhr, L. Nadeau, J. Palacios-Boix, J. Pecknold, M. Perreault, A. Propst, R.A. Ramsay, J. Renaud, B.M. Robertson, J. Rochford, Z. Rosberger, M. Ruiz Casares Yebenes, R. Russell, T. Semeniuk, J. Shah, P.P. Silveira, D. Sookman, W. Steiner, F.K. Storch, B. Suranyi-Cadotte, L. Tourian, S. Villeneuve, A. Wazana, R. Whitley, G. Wiviott, T.P. Wong

Assistant Professors

D. Awad, S.M. Bailes, P. Bajsarowicz, E. Banon, M. Barbarosie, L. Beauclair, C. Benierakis, P. Bleau, D. Bloom, J. Bond, F. Bourque, I. Bradley, M. Brandon, A. Bucatel, J. Canfield, P. Cervantes, M. Chammas, R.M.E. Chenard-Soucy, S. Choudhury, J. Cohen, L. Creti, L. Dabby, M. Dadar, M.E. Davis, N. Deleva, P. Des Rosiers, R. Desautels, J. Desmarais, M. Di Tomasso, J. Dornik, M. Elie, J. Errunza, K. Faridi, N. Faridi, N. Farooqi, K. Fathalli, M. Ferrari, A. Fielding, J. Friedland, L. Freedman, A. Gagnon-McMahon, K. Geagea, A. Gifuni, J. Glass, K. Goddard, M. Grignon, P. Habib, B. Hayton, L. Hoffman, F. Ianni, J. Joly, M. Koch, T. Kolivakis, R. Kronick, P. Lageix, S. Lamarre, M. Laporta, L. Laporte, J.D. Leccia, E. Levy, E. Libman, M. Lifshitz, N.C.P. Low, W. Ma, R. Martins, N. Masrouha, T. Measham, M. Messier, G. Meterissian, T.M. Milroy, M. Montembeault, A. Morissette, C. Nagy, A. Nakhost, M.-C. Noel, T. V. Nguyen, M. Orri, M. Piat, L. Pinard, A. Propst, R. Rabin, M. Rabinovitch, S. Rej, J. Renaud, S.B. Rosenbloom, C. Roy, P. Rusjan, T. Said, H. Schwartz, M. Segal, J. Seguin, I. Spector, K.A. Steger,

Lecturers

F. Amdiss, A. Monroy, S. Bemmira, F. Bensaada, I. Blais, M. Boisvert, C.M.J. Brebion, Mioara Bunea Cotfas, A. Cadivy, J.P. Carmel, E. Casimir, E. Cauchois, R. Chaala, P. Chan, D. Charest, M. Coward, A. Czyrowicz, T.-V. Dao, M.A. DeCiccio, C. Desmarais, M.H.N. Dinh, S. S. Douyon, H.C. Dube, L. Evans, J.A. Farquhar, H. Goldhaar, P. Gouin, J. Guimezap Tsopmo, P. Harden, J. Harvey, M. Heyman, H.G. Jean- Francois, I. Jetté-Côté, P. Kemgni, H. Kotue Kemgni, D. Kunin, L. LaChance, S. Mauger, D.F.S. Monti, K. Myron, C. Paquin-Hodge, R. Payeur, L. Peters, M. Pickles, K. Richter, D.T. Rochon, M. Rodier, O. Rossi, O. Sidhom, J.D. Sylvestre, V. Tagalakis, F.C. Toma, O. Triffault, E. Veljanova, D. Wajszilber, S. Wisebord

Associate Members

R.C. Bagot, S. Bond, J.L. Derevensky, M. Drapeau, A. Evans, J. Foley, P. Friesen, M-C Geoffroy, S. Margolese, L. McVey, T. Montreuil, J. Russell, A. Schiavetto, R. N. Spreng, J.I. Trakadis, Z. Vang, D. Wendt

Adjunct Professors

M. Alda, E. Amirali, P. Blier, L. Booi, B. Chaumette, S. Comai, A. Crocker, S. Deschenes, D. Fikretoglu, J.-M. Guile, F. Jollant, B. Kieffer, V. Kovess, A. Lesage, S.J. Lloyd, O. Linnaranta, K. O'Donnell, J. Pruessner, M. Pruessner, S. Richard-Devantoy, J. Ruel, A. Ryder, N. Schmitz, C. Tranulis, R. Wolde-Giorghis

6.1.16 Social Studies of Medicine**6.1.16.1 Location**

3647 Peel Street, Room 103
 Montreal QC H3A 1X1
 Telephone: 514-398-6033
 Website: mcgill.ca/ssom

6.1.16.2 Core Courses

This Department contributes to the multidisciplinary core content offered during the Fundamentals of Medicine and Dentistry (FMD), Transition to Clinical Practice (TCP), and Clerkship components of the M.D.,C.M. program. More specifically:

INDS 426 – Putting It All Together: Basic Science, Medicine and Society

6.1.16.3 Electives

The Department offers a wide range of electives in aspects of the social sciences and humanities as they relate to medicine. See the [Electives Program](#) for elective opportunities.

6.1.16.4 Graduate Program

Through the Department, graduate students can obtain one of the following:

- M.A. in Medical Anthropology
- M.A. in Medical Sociology

The above degrees are acquired in programs administered jointly with the Departments of History, Anthropology, and Sociology in the Faculty of Arts. Consult the Faculty of Arts' [Graduate and Postdoctoral Studies](#) section for further information.

6.1.16.5 Social Studies of Medicine Faculty**Chair**

Thomas Schlich

Emeritus Professors

Margaret Lock; Allan Young

Professors

Annamarie Adams; Alberto Cambrosio; Jonathan Kimmelman; Thomas Schlich; Andrea Tone; George Weisz

Associate Professors

Jennifer Fishman; Nicholas King; Todd Meyers

Assistant Professors

Phoebe Friesen; Sahar Sadjadi

6.1.17 Surgery

6.1.17.1 Location

RVH / McGill University Health Centre – Glen Site
1001 Décarie Boulevard, C05.2456
Montreal QC H4A 3J1
Email: ugradsurgery.med@mcgill.ca
Website: mcgill.ca/surgery

MGH / McGill University Health Centre
1650 Cedar Av, L9.411
Montreal QC H3G 1A4
Email: ugradsurgery.med@mcgill.ca
Website: mcgill.ca/surgery

6.1.17.2 Core Courses

This Department contributes to all curriculum components of the M.D.,C.M. program.

SURG 301 – TCP Surgery

SURG 402 – Surgery Clerkship

6.1.17.3 Electives

The Department provides several electives for medical students. See the [Elective Program](#) for elective opportunities.

6.1.17.4 Surgery Faculty

Chair

Liane Feldman

Emeritus Professors

J.D. Bobyne, R. Brown, F. Cervero, M. Duhaime, F.H. Glorieux, J. Henderson, J. Hinchey, N. Mitchell, E. Monaghan, A.R. Poole, N. Sheiner, H. Shizgal, H. Sigman

Professors

J. Antoniou, A.G. Aprikian, J.S. Barkun, J. Barralet, F. Bladou, P. Brodt, S. Carrier, P. Chan, S. Chevalier, J. Corcos, M. Elhilali, L. Feldman, L. Ferri, R.C. Hamdy, E.J. Harvey, W. Kassouf, J.-M. Laberge, R.G. Margolese (Herbert Black Professor of Surgical Oncology), S.H. Meterissian, P.M. Metrakos, D.S. Mulder (H. Rocke Robertson Professor of Surgery), F. Mwale, A. Philip, L. Rosenberg, D. Shum-Tim, R. St-Arnaud, S. Tanguay, M. Tanzer, C.I. Tchervenkov, J.I. Tchervenkov, A. Turnbull, R. Turcotte, A. Zini

Associate Professors

S. Andonian, R.O. Arena, M. Basik, S. Bergman, G.K. Berry, O.W. Blaschuk, J-F. Boileau, M. Boutros, R. Cecere, P. Chaudhury, R. Chaytor, L.P. Coughlin, B. de Varennes, R.A. Dimentberg, P. Fata, W. Fisher, D.M. Fleiszer, S. Fraser, M. Gilardino, L. Haglund, K. Khwaja, K. Lachapelle, Y. Langlois, J. Lapointe, L. Lessard, A.S. Liberman, A. Loutfi, K. MacKenzie, P.A. Martineau, A-N. Meguerditchian, E. Mitmaker, J.-F. Morin, P. Nault, C. O'Flaherty, J.A. Ouellet, S. Paraskevas, P. Pulighilali, L. Feln608.622.081 Tm(as,nLf Mw)TjR 126.427 128Tj1 0 0 1 146.831 122.081 Tm(nTj1 0 0 1 557.261TP)Tj1 0(J.A- 1 28)

Assistant Professors

Cunningham, P.G. Davison, D. Deckelbaum, S. Demyttenaere, A.M. Derossis, T. Dionisopoulos, A. Dragomir, S. Dumitra, D.M. Eiley, A. El-Hakim, M.T. El-Sherbini, N. Eliopoulos, C. Emond, P. Ergina, N. Fahmy, J. Faria, J.F. Fiore Junior, L. Garzia, G. Ghitulescu, H. Gill, J. Grushka, A. Hart, O. Huk, P. Jarzem, R. Jednack, J. Johansson, D. Labbé, J. Lee, L. Lee, E.M. Lenczner, M. Luc, R.J. Marien, K. Matthews, G.E. Merle, M. Morelli, N. Morin, E. Moss, C. Mueller, J.A. Mutch, M-L. Nault, O. Neel, D. Obrand, J.A. Ouellet, J-S. Pelletier, M. Petropavlovskiaia, N. Posel, T. Razek, J. Rodriguez, D.H. Rosenzweig, R. Salasidis, G. Samoukovic, V. Sangwan, I. Shanfield, K. Shaw, C. Sirois, J. Spicer, B.L. Stein, D. Tataryn, S. Thibaudeau, F. Tremblay, T. Vanounou, C.-A. Vasilevsky, M. Volesky, M. Weber, S.A. Youssef, T. Zadeh, V. Zalai, R.G. Zelt

Lecturers

K. Aikin, E. Bégin, F. Cote, R. Danylewicz, H. Daoud, W. Desloges, B. Duclos, G. Dupras, R. Fenster, S. Gaspard, N.M. Gosselin, S. Hanley, C. Haydon, D. Kalogeropoulos, J.J. Klopfenstein, R.S. Knight, J. Kwan, C. Lessard, L. Lincoln, M-H. Lorient, F. Ma, E. Martel, W. Matar, R.A.H. McLeod, J. Mijangos-Pelaez, B. Morris, G. Nadkarni, M. Nachabe, S.G. Ortaaslan, V.W. Papanastasiou, F. Perodin, G.J. Pearl, C. Richards, L. Rosen, N. Roy, J. Schwarz, A. Sepehr, K. St-Cyr, P. Stephenson, T. Surowanice, J.R. Sutton, P. Thibaudeau, T. Tran, I.S. Weissglas, D.G. Wiltshire

Associate Members

J.M. Cameron, M. Cantarovich, F. Cury, C.E. Ferland-Legault, P. Goldberg, A. Gursahaney, S. Komarova, J.-J. Lebrun, N. Makhoul, M. Murshed, N.

This selective is an opportunity to acquire a meaningful hands-on familiarity with human anatomy and the confidence for tackling further work in the operating room. Anatomy for Surgeons is a relevant course for any student entering residency. Students will perform comprehensive regional dissections according to the stream (head and neck, limbs, or trunk) in which they are enrolled. The dissection sessions will be supplemented with artificial 3D applications and case-study presentations from clinical experts. Upon completion of their dissections, students will present their work to the supervising anatomy faculty and receive an oral exam on the relev

6.2.4

Adjunct Professors

6.2.5 Biomedical Engineering

6.2.5.1 Location

Duff Medical Building
3775 University Street, Room 316
Montreal QC H3A 2B4
Telephone: 514-398-6736
Email: info.bme@mcgill.ca
Website: mcgill.ca/bme

6.2.5.2 Electives

The Department provides electives for medical students. For more information, see the [Elective Program](#).

6.2.5.3 Graduate Courses

The Department of Biomedical Engineering provides instruction and opportunities for interdisciplinary research in the application of engineering, mathematics, and the physical sciences to problems in medicine and the life sciences. Courses are offered for graduate students in the life sciences, and in engineering and the physical sciences leading to the Master's (M.Eng.) and Ph.D. in Biological and Biomedical Engineering.

For more information, see the Faculty of Medicine's [Graduate and Postdoctoral Studies](#) section.

6.2.5.4 Biomedical Engineering Faculty

Chair

D. Juncker

Emeritus Professors

T.M.S. Chang; H.L. Galiana.

Professors

D.L. Collins; D. Juncker; R.E. Kearney; S. Prakash; M. Tabrizian.

Associate Professors

W.R.J. Funnell; D. Bzdok.

Assistant Professors

G. Chen; A. Haidar; D.A. Rudko; C.L. Tardif.

Associate Members

M. Amabili; S. Baillet; C. Baker; S. Blain-Moraes; M. Chacron; X. Chai; M. Chakravarty; J. Ding; M. Driscoll; A. Ehrlicher; S. Enger; A. Evans; J. Gotman; D. Guitton; A. Hendricks; C. Hoesli; R. Hoge; Y. Iturria-Medina; A. Kamen; A. Katsarkas; J. Kildea; J. Kinsella; S. Komarova; A.-M. Lauzon; R. Leask ; I. LeM.

The Rosalind and Morris Goodman Cancer Research Centre Institute (GCI) conducts internationally recognized fundamental and translational research in all areas of cancer. These research activities contribute to:

1. improving the molecular understanding of cancer;
2. improving disease management;
3. training the next generation of cancer researchers; and
4. conveying the importance of cancer research to the community.

The fundamental research approach adopted by the Institute is focused on better understanding the mechanisms involved in cancer initiation and progression and the pressing need to identify targets for clinical drug development. The research model involves identifying priority themes and establishing a critical mass of expertise within each theme. These themes include Breast Cancer, Metabolism and Cancer, Stem Cells and Signaling, DNA Damage Response, and Embryonic Development and Cancer.

6.2.6.1 Rosalind and Morris Goodman Cancer Institute Faculty

Professor and Director

M. Park

Full Members

N. Beauchemin, M. Bouchard, J. Dostie, T. Duchaine, I. Gallouzi, V. Giguère, P. Gros, S. Huang, L. Kazak, L. McCaffrey, W. Muller, A. Nepveu, M. Park, A. Pause, J. Pelletier, D. Quail, P. Siegel, N. Sonenberg, J. Teodoro, M. Tremblay, L. Walsh, I. Watson, Y. Yamanaka, X.-J. Yang, G. Zogopoulos

Associate Members

U.D. Akavia, M. Alaoui-Jamali, P. Brodt, G. Chen, D. Dankort, A. Ehrlicher, L. Ferri, J. Fritz, L. Garzia, A. Gregorieff, A. Guarne, N. Jadoo, D. Junker, A. Koromilas, D. Labbé, N. Lamarche, P. Lasko, C. Loiselle, C. Moraes, M. Pollak, J. Rak, Y. Riazalhosseini, M. Richer, H. Shateri Najafabadi, J. Spicer, P. Tonin, G. Ursini-Siegel

Affiliate Member

R. Marcotte

Emeritus Professors

P. Branton, A. Fuks, C.P. Stanners, M. Zannis-Hadjopoulos

6.2.7 Human Genetics

6.2.7.1 Location

Department of Human Genetics
 Strathcona Anatomy & Dentistry Building
 3640 rue University, Room 2/38 A/C/F/H
 Montreal QC H3A 0C7
 Telephone: 514-398-3600
 Website: mcgill.ca/humangenetics

6.2.7.2 Core Courses

This Department contributes to the multidisciplinary Fundamentals of Medicine and Dentistry (FMD) and Clerkship components of the M.D.,C.M. program. In addition, see the [Elective Program](#) for elective opportunities.

6.2.7.3 Graduate Courses

This Department contributes to the multidisciplinary curriculum components of Fundamentals of Medicine and Dentistry (FMD), Transition to Clinical Practice (TCP), and Clerkship. In addition, see the [Elective Program](#) for elective opportunities.

The department also offers the following programs:

- M.Sc. in Genetic Counselling (Non-Thesis)
- M.Sc. in Human Genetics (Thesis)
- Ph.D. in Human Genetics (Thesis)

For details, please refer to the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section.

6.2.7.4 Human Genetics Faculty**Chair**

E.A. Shoubridge

Program Directors

J. Fitzpatrick, A. Naumova

Emeritus Professors

F. Kaplan, K. Morgan, L. Pinsky, C. Sriver

Professors

E. Andermann, B. Brais, W. Foulkes, B. Knoppers, M. Lathrop, D. Malo, R. McInnes, R. Palmour, D. Radzioch, D.S. Rosenblatt, R. Rozen, E. Schurr, E.A. Shoubridge, R. St-Arnaud, P. Tonin, J. Trasler, S. Vidal

Associate Professors

A. Ao, G. Bourque, N. Braverman, K. Dewar, R. Hernandez, Y. Joly, J. Majewski, P. Moffatt, R. Nadon, I. Ragoussis, L. Russell, A. Ryan, R. Sladek, R. Slim, Y. Yamanaka

Assistant Professors

D. Buhas, L. Cartier, G. Chong, C. Crist, M-D. D'Agostino, I. De Bie, J. Fitzpatrick, S. Gravel, C. Kleinman, D. Langlais, B. Mucha-Le Ny, H. Najafabadi, L-C. Palma, I. Ragoussis, Y. Riaz Alhosseini, J.-B. Rivière, A. Ruchon, V. Soleimani, D. Torgerson, Y. Trakadis, L. Walsh

Lecturers

N. Anoja, L. Baret, C. Bascunana, K-E. Canales, S. Drury, S. Fox, M. Lalous, L. Macrae, M. Richard, G. Sillon, E. Weber, L. Whelton, N. Wong

Adjunct Professors

C-M. Chisholm, T. Chiu, M. Cloutier, E. Creede, L. Gallagher, D. Gauquier, C. Goldsmith, B. Gottlieb, E-L. Grundberg, V.A. Hastings, C. Honeywell, T-M. Pastinen, J. Rutberg

Adjunct Member

D. Vinh

Associate Members

P. Gros, D. Thomas, J. Kimmelman, J. Genest, J. Lavoie, L. Diatchenko, C. Polychonakos, B. Richards, C. Polychonakos, B. Richards, C. Greenwood, S. Ali, S. Richard, S-A. Rabbani, R. Gold, D. Cournoyer, J. Engert, L. Garzia, B. Gilfix, C. Gilpin, G.Hendy, R. Koenekoop, A. Peterson, F. Rauch, M. Trifiro, I. Gupta, G. Rouleau, Z. Gan-Or, M. Srour, A. Naumova, C. Goudie, N. Jabado, L. Majewska, J. Mitchell, J. Rak, R. Jooper, G. Turecki, C. Ernst

6.2.8 Microbiology and Immunology**6.2.8.1 Location**

Duff Medical Building
3775 University Street, Room 511
Montreal QC H3A 2B4
Telephone: 514-398-7492
Email: office.microimm@mcgill.ca
Website: mcgill.ca/microimm

6.2.8.2 Core Courses

This Department contributes to the multidisciplinary curriculum components of Fundamentals of Medicine and Dentistry (FMD) and Clerkship components of the M.D.,C.M. program.

6.2.8.3 Other Courses

The Department offers a range of courses leading to the **Liberal/Majors/Honours B.Sc. in Microbiology & Immunology**, and the **Interdepartmental Honours Immunology** Program. The Department is also well-equipped for graduate research leading to the M.Sc. and Ph.D. degrees through a program that includes the multidisciplinary and trans-departmental *Microbiome and Disease Tolerance Centre* (MDTC) and access to cutting-edge research and technology. In addition, the Department offers courses that translate fundamental knowledge in Microbiology and Immunology to basic science, clinical, biotechnological, and public policy aspects of Infection and Immunity.

Please see the Faculty of Medicine and Health Sciences' *Graduate and Postdoctoral Studies* section, and the Faculty of Science's *Undergraduate* section for more information.

6.2.8.4 Microbiology and Immunology Faculty

Chair

Samantha Gruenheid (*Interim*)

Emeritus Professors

N. Acheson, M. Baines, J.W. Coulton

Professors

J. Archambault, A. Berghuis, S. Gruenheid, G.J. Matlashewski, M. Olivier, C. Piccirillo, D. Sheppard, M. Stevenson

Associate Professors

D.J. Briedis, B. Cousineau, S. Fournier, J. Fritz, G.T. Marczyński, S. Sagan, A. Shapiro

Assistant Professors

J Chahal, .I. King, C. Maurice

Associate Members

Epidemiology and Infectious Diseases: M. Behr, A. Dascal

Genetics: K. Dewar, E. Schurr

Immunology, Autoimmunity, Host Defense: J. Antel, M. Burnier, I. Colmegna, P. Gros, A. Kristof, J. Mandl, A. Orthwein, J. Rauch, J. Spicer, C. Tsoukas, S. Vidal

Immunology and Parasitology: B. Brenner, C.T. Costiniuk, M. Ndao, P. Rohrbach, B. Ward, J. Zhang

Microbiology: D. Cuong Vinh, M. Divangahi, C. Liang, D. Nguyen, M. Reed

Molecular Biology: N. Cermakian, A. Jardim, D. Langlais, A. Mouland, K. Pantopoulos, M. Tremblay, B. Turcotte, J. Xia

Virology: A. Gatignol, A.E. Koromilas, R. Lin, J.Teodoro

Adjunct Professors

E. Cohen, A. Descoteaux, J.M. Di Noia, A. Finzi, C. Krawczyk, G. Kukulj, P. Lau, S. Lesage, A. Petronela, K. Pike, W-K. Suh

Adjunct Member

F. Veyrier

6.2.9 Pharmacology and Therapeutics

6.2.9.1 Location

McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler, Room 1325
Montreal QC H3G 1Y6
Telephone: 514-398-3623
Website: mcgill.ca/pharma

6.2.10.2 About the Department of Physiology

Physiology has its roots in many of the basic sciences including biology, chemistry, mathematics, and physics, and overlaps with other biomedical sciences such as anatomy, biochemistry, microbiology & immunology, neurology, pathology, pharmacology, psychology, and biomedical engineering. Physiology is one of the prime contributors of basic scientific knowledge to the clinical medical sciences. Members of the Department of Physiology at McGill are engaged in studies dealing with molecules, single cells, or entire systems in a variety of vertebrates, including humans. A wide range of interest and expertise is represented, including:

- biomathematics;
- biophysics;
- cardiovascular physiology;
- endocrinology;
- gastrointestinal and renal physiology;
- immunology;
- neurophysiology;
- the physiology of exercise;
- respiratory physiology.

The Department also has a rich graduate research program leading to either an M.Sc. or a Ph.D. degree, and is a participant in McGill's M.D.,C.M. & Ph.D. program.

Some faculty members have formal or informal links with the Departments of Mathematics and Statistics; Physics; Electrical and Computer Engineering; and Chemistry, and with clinical medical departments, reflecting and reinforcing the close ties between physiology and other disciplines.

Please see the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section, and the Faculty of Science's [Undergraduate](#) section for more information.

6.2.10.3 Physiology Faculty

Chair

John White

Graduate Program Director

Alvin Shrier

Emeritus Professors

Thomas M.S. Chang, Leon Glass, Kresimir Krnjevic, Wayne S. Lapp, Mortimer Levy, Michael Mackey, George Mandl, Geoffrey Melvill Jones, Joseph Milic-Emili, Canio Polosa, Douglas G.D. Watt

Associate Professor (Post-Retirement)

Ann Wechsler

Professors

Maurice Chacron, Monroe W. Cohen, Ellis J. Cooper, Phil Gold, John Hanrahan, David Goltzman, Steve Lomber, Gergely Lukacs, Sheldon Magder, John Orłowski, Alvin Shrier, John White

Associate Professors

Claire Brown, Gil Bub, Erik Cook, Mladen Glavinovic, Michael Guevara, Suresh Krishna, Anmar Khadra, Reza Sharif-Naeini, U2re47.66 Tm(, John)T(, Ger)Tj1 0 0 1

Associate Members

Mathematics: Anthony Humphries

Medicine: Volker Blank, Mark Blostein, Andrey Cybulsky, Anne-Marie Lauzon, James Martin, Shafaat Rabbani, Simon Rousseau, Benjamin M. Smith, Mary Stevenson, Tomoko Takano, Elena Torban, Simon Wing

Microbiology and Immunology: Jörg Fritz

Neurology and Neurosurgery: Jack Antel, Daniel Guitton, Christopher Pack, Ed Ruthazer, Amir Shmuel, Jesper Sjöström, Jo Anne Stratton

Ophthalmology: Curtis Baker

Pharmacology and Therapeutics: Daniel Bernard, Derek Bowie, Terence Hebert

Psychiatry: Nicolas Cermakian

Research in Neuroscience: Charles Bourque

Adjunct Professors

M. Craig, K. Cullen, P. Haghghi, J. Martinez-Trujillo

Faculty Lecturer

Céline Aguer

6.3 Communication Sciences and Disorders

6.3.1 Location

School of Communication Sciences and Disorders
2001 McGill College Avenue, Suite 800
Montreal QC H3A 1G1
Telephone: 514-398-4137
Fax: 514-398-8123
Website: mcgill.ca/scsd

For information about the School's graduate programs, see the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section.

6.3.2 Communication Sciences and Disorders Faculty

Director and Associate Dean

Susan Rvachew

Graduate Program Director

Linda Polka

Professor (Post-Retirement)

Vincent Gracco

Professors

Shari R. Baum, Marc D. Pell, Linda Polka, Susan Rvachew, Karsten Steinhauer, Elin Thordardottir

Associate Professors

Meghan Clayards, Laura Gonnerman, Aparna Nadig, Nicole Yee-Ke

6.4.3 Biomedical Ethics

6.4.3.1 Location

2001 McGill College Avenue
Suite 1200
Montreal QC H3A 1G1
Telephone: 514-398-6668
Website: mcgill.ca/biomedicalethicsunit

6.4.3.2 Core Courses

The Biomedical Ethics Unit contributes to courses in Fundamentals of Medicine and Dentistry (FMD), Transition to Clinical Practice (TCP), Physicianship, and Transition to Residency components of the M.D.,C.M. program.

INDS 302 – Medical Ethics and Health Law

6.4.3.3 Electives

The Unit offers a range of electives in biomedical ethics. For details see the [Electives Program](#).

6.4.3.4 Graduate Program

Graduate students can obtain a Master's Specialization in Bioethics. In order to apply for the Specialization, students must be enrolled in the M.Sc. program in Experimental Medicine, Family Medicine, or Human Genetics, the LL.M. program in Law, or the M.A. program in Religious Studies or Philosophy.

Consult the Unit for further information, or see the Faculty of Medicine and Health Sciences' [Graduate & Postdoctoral Studies](#) section.

6.4.3.5 Biomedical Ethics Faculty

Director

J. Kimmelman

Professor

J. Kimmelman

Associate Professors

C. Eells, J.R. Fishman, N. King.

Assistant Professor

P. Friesen

Associate Members

G. Bartlett-Esquilant (*Department of Family Medicine*), J.S. Beaudry (*Faculty of Law*), E. Bereza (*Department of Family Medicine*), F. Carnevale (*Ingram School of Nursing*), R. Gold (*Faculty of Law*), A. Fuks (*Department of Medicine and Health Sciences*), M. Hunt (*School of Physical & Occupational Therapy*), Y. Joly (*Human Genetics*), L. Khoury (*Faculty of Law*), M.E. Macdonald (*MQHRG*), T. Maniatis (*Faculty of Medicine and Health Sciences*), B. Thombs (*Psychiatry*), D. Weinstock (*Institute for Health and Social Policy*), M.H. Zawati (*Human Genetics*), K. Voigt (*Department of Philosophy*)

6.4.4 Epidemiology, Biostatistics, and Occupational Health

6.4.4.1 Location

Department of Epidemiology, Biostatistics, and Occupational Health
2001 McGill College Avenue
Suite 1200
Montreal QC H3A 1G1
Telephone: 514-398-6258
Website: mcgill.ca/epi-biostat-occh

6.4.4.2 Core Medical Courses

This Department contributes to the multidisciplinary Fundamentals of Medicine and Dentistry (FMD), Transition to Clinical Practice (TCP), and Clerkship components of the M.D.,C.M. program. In addition, see the [Elective Program](#).

6.4.4.3 Introduction to Epidemiology and Biostatistics

Lectures and small group tutorials cover basic principles of epidemiology and biostatistics as applied in clinical and community settings. Included are research design and methods, dealing with bias and confounding, screening and risk appraisal, statistics, and critical appraisal of the literature.

6.4.4.4 Clinical Electives in Public Health and Preventive Medicine (*DSP de Montréal*)

Elective rotations are available to medical students at the Montreal public health department under the supervision of Public Health and Preventive Medicine specialists and family physicians. In general, rotations are built around a core of health protection in communicable diseases or environmental health, including exposure to on-call duties, health surveillance activities, and epidemiological investigations. Interested students may also choose to explore activities in disease prevention or health promotion, depending on their particular interests.

6.4.4.5 Postgraduate Medical Education (Residency in Public Health and Preventive Medicine)

The McGill residency program in Public Health and Preventive Medicine trains specialists to identify health problems in populations; to plan, implement, and evaluate programs to promote health and control disease; and to apply this knowledge to community-oriented clinical practice. The practice of public health and preventive medicine requires the development of knowledge in several academic fields (epidemiology, statistics, administration, and economics) and skills in different fields of practice such as public health surveillance, clinical preventive medicine, health care policy, health services organization, health promotion, prevention and control of infectious diseases, and occupational and environmental health.

For more information, please consult the [Epidemiology](#)

6.4.4.8 Graduate Courses in Public Health (M.Sc.P.H.)

The mission of the Master of Science in Public Health is to train outstanding public and population health professionals and future leaders by offering a rigorous academic program in methods, research, and practice. Students will study the foundations and principles of epidemiology and biostatistics, as applied to public health research and practice, in order to design, conduct, and analyze population-based, environmental, clinical, policy, and methodological public health-related research. See the Faculty of Medicine and Health Sciences' [Graduate and Postdoctoral Studies](#) section for descriptions of courses and programs.

6.4.4.9 Graduate Courses in Occupational Health

Note: **The Occupational Health Ph.D. and M.Sc.A (Distance) programs are not currently accepting applications.**

McGill is known for its pioneering research in occupational hazards associated with agents such as respirable dust, chemical hazards, and radiation. The M.Sc. (Applied) and Ph.D. programs in Occupational Health are multidisciplinary and involv

- ***section 7.1: Admissions: Entrance Scholarships***

McGill offers entrance scholarships annually to select first-year students based on academic merit. Certain scholarships are renewable annually for students who meet renewability criteria.

- ***section 7.2: Research Awards***

Research bursaries celebrate our students' achievements and allow students to establish themselves as innovative researchers. Bursaries are available to enable students to carry out research projects during their medical studies. These are awarded, on a competitive basis, in the Winter term and during summer vacation. Entrance scholarships are also available for students registered in the double programs: M.D.,C.M./M.B.A. and M.D.,C.M./Ph.D.

- ***section 7.3: Global Health and Travel Awards***

Generous donors have contributed to the global nature of medical innovation through the creation of numerous awards to facilitate students who wish to pursue research or clinical experience nationally and internationally.

- ***section 7.4: Needs-Based Scholarships, Bursaries, and Loans***

These funds are awarded to students in good academic standing who require financial support.

- ***section 7.5: Undergraduate Medicine Awards, Prizes, and Medals***

The Faculty of Medicine and Health Sciences strives to commemorate students who demonstrate outstanding performance. Receipt is permanently recorded on the transcript of each recipient. This information is also included in the Medical Student Performance Record.

- ***Graduate Awards***

Please see the Graduate and Postdoctoral Studies website at mcgill.ca/gps/funding.

7.1 Admissions: Entrance Scholarships

For more information, contact admissions.med@mcgill.ca.

Anjna and Jogindar Majhail Scholarship

Established in 2004 by Anjna Majhail, M.S.'72, in memory of her late husband Jogindar Majhail. Awarded by the Faculty of Medicine and Health Sciences' Scholarship Committee to an outstanding student entering first year Medicine who demonstrates academic excellence. The scholarship is renewable for three years provided the holder maintains satisfactory academic standing.

Value: minimum \$5,000.

Class of Medicine 1985 Entrance Scholarship

Established in 2011 by the Class of Medicine 1985. Awarded, based on consideration of applicant's admissions file and submission of an invited supplemental essay, by the Faculty of Medicine and Health Sciences to incoming students in the M.D.,C.M. program. Recipients will be selected by the "Widening Participation Committee" whose mandate is to promote diversity and equity in the classroom.

Value: varies.

David F. Claxton Entrance Scholarship

Established in 2011 by Amy Claxton, in honour of her husband, David Claxton, M.D.,C.M.'78. Dr. Claxton's family has a long unbroken history of McGill graduates stretching back four generations in both Medicine and Law. The David F. Claxton entrance scholarship is awarded to an outstanding undergraduate student entering the Faculty of Medicine and Health Sciences on the basis of academic merit.

Value: \$4000.

Deschesnes-Yee Class of Medicine 1990 Entrance Scholarship

Established in 2016 by the Class of Medicine 1990 on the occasion of their 25th anniversary reunion and in memory of their classmates Dimitrios Deschesnes, M.D.,C.M.'90 and Herman Yee, M.D.,C.M.'90. Awarded by the Faculty of Medicine and Health Sciences' Scholarships Committee on the basis of academic merit to students entering the M.D.,C.M. program.

Value: varies.

Dr. Graham Sommer International Scholarships in Medicine

Established in 2006 by Dr. Graham Sommer, M.D.,C.M.'72. Awarded by the Faculty of Medicine and Health Sciences to outstanding international students entering the M.D.,C.M. program in the Faculty. While academic standing is of primary importance, consideration will also be given to leadership in extracurricular and community activities.

Estimated value: \$15,000; renewable.

Dr. John G. Cassils Major Entrance Scholarship

Established in 2015 by Dr. John G. Cassils, B.Sc.'61, M.D.'66 (University of Alberta) for one or more students in the M.D.,C.M. program from indigenous communities in Canada on the basis of academic merit. Preference will be given to students of First Nations, Inuit, or Métis heritage. Awarded by the Faculty of Medicine and Health Sciences' Scholarships Committee on the recommendation of the Office of Admissions.

Value: varies.

Dr. John H. Burgess Distinguished Scholarship

Established in 2011 by John H Burgess, B.Sc.'54, M.D.,C.M.'58. Awarded by the Faculty of Medicine and Health Sciences to one or more students from indigenous communities in Canada on the basis of academic merit, with preference given to students of Inuit, Métis, or First Nations heritage or to one or more students nominated by the "Widening P

Established in 2016 by the Class of Medicine 1960 in honour of their 55th anniversary reunion. Awarded by the Faculty of Medicine and Health Sciences' Student Research Committee to support one or more students in the M.D.,C.M. program pursuing research in the Faculty of Medicine and Health Sciences.

Value: varies.

Class of Medicine 1966 Research Bursary

Established in 2017 by the Class of Medicine 1966 in honour of their 50th anniversary reunion. Awarded by the Faculty of Medicine and Health Sciences' Student Research Committee to support one or more students in the M.D.,C.M. program in the Faculty while they pursue work in the research environment alongside clinical and fundamental scientists and their trainees.

Value: varies.

Class of Medicine 1979 Research Bursary

Established in 2016 by the Class of Medicine 1979 on the occasion of their 35th anniversary reunion. Awarded by the Faculty of Medicine and Health Sciences' Student Research Committee to support one or more students in the M.D.,C. M. program pursuing research in the Faculty of Medicine and Health Sciences.

Value: varies.

Clouston Memorial Scholarship

Endowed in 1986 by the family in memory of Dr. H.R. Clouston and his father, Dr. J. Clouston, both of Huntingdon, Quebec. Awarded by the Faculty of Medicine and Health Sciences' Scholarships Committee to a medical student who undertak

one or more medical or allied health students in the Faculty of Medicine and Health Sciences at McGill University. Preference will be given to students engaged in breast cancer research.

Drs. Annalee & Mark Abelson Travel Fund in Medicine

Established in 1997 through a generous gift from Dr. Annalee Abelson, B.A.'68, M.Sc.'71, Ph.D.'81 and Dr. Mark Abelson, B.Sc.'66, M.D.,C.M.'70. The annual income is to be used equally for travel funds for M.D.,C.M.&Ph.D. students and students in the School of Human Communication Sciences and Disorders. The travel funds will be awarded by the Faculty of Medicine and Health Sciences' Department of Graduate Studies and Research.

Ettie Israel Bennett Award

Summer Research Bursary recipients are eligible to receive the Ettie Israel Bennett Award. Awarded to a deserving student whose work is judged to be excellent by the Faculty of Medicine and Health Sciences' Student Research Committee.

George and Muriel Graham Undergraduate Research Bursary

Established in 2015 by Mary F. Graham, M.D.,C.M. in memory of her in-laws. Awarded by the Faculty of Medicine and Health Sciences' Scholarships Committee to a M.D.,C.M. student in the Faculty of Medicine and Health Sciences who participates in a research project at McGill University. Preference will be given to students pursuing research within the field of neuroscience.

Value: \$3,000.

George Corcoran Scholarship

Established in 1996 through a bequest from Emily Jones Corcoran in memory of her husband. The fund provides stipend support for medical students in the M.D./Ph.D. program. Awarded on the recommendation of the M.D./Ph.D. Program Director.

Value: varies.

Harold and Rhea Pugash Research Bursary

Established in 2011 by Eric S. Pugash, M.D.,C.M.'79, F.R.C.S.(C), in honour and memory of Harold H. Pugash, BA'49 and Rhea D. Pugash, Dipl.(P.T.)'51, both of whom greatly valued education and demonstrated the qualities of achievement, honesty, and sense of humour. Awarded by the Faculty of Medicine and Health Sciences' Student Research Committee to one or more medical students in the Faculty of Medicine and Health Sciences at McGill University.

Harry Shankman Scholarship

Established in 2000 through a bequest from the late Annette Shankman Rieder in honour of her brother Harry Shankman, M.D. The fund provides stipend support for deserving medical students in the M.D./Ph.D. program. Awarded by the Faculty of Medicine and Health Sciences' Scholarships Committee, on the recommendation of the M.D./Ph.D. Program Director.

Value: varies.

Heffez Family Research Bursary

Established in 2017 by Dr. Dan S. Heffez, M.D.,C.M.'79 and family. Awarded by the Faculty of Medicine and Health Sciences to support one or more students in the M.D.,C.M. program pursuing faculty supervised, yet independent research. First preference will be given to students completing research in neuroscience and/or neurosurgery. Second preference will be given to students completing research in cardiology and/or cardiac surgery. Third preference will be given to students pursuing research in any other surgery-related area.

Value: varies.

Hilton J. McKeown Scholarships

Established by a bequest from Hilton J. McKeown, M.D.'27, to the Friends of McGill to provide financial support to students in the Faculty of Medicine and Health Sciences. Awards are granted on the basis of academic achievement and the value of each award will depend upon financial need and other awards held. Preference will be given to students in the M.D.,C.M.&Ph.D. program. Awarded by the Faculty of Medicine and Health Sciences.

Value: varies.

Ivan Racheff Scholarships

Established in 1986 to be awarded by the Faculty of Medicine and Health Sciences' Student Research Committee to medical students who demonstrate an interest in research in public health and/or the effects of pollution or pollutants on the human body.

J. Warren and Christa Harthorne Summer Research Bursary

Established in 2015 by J. Warren Harthorne, M.D.,C.M.'57, and Christa Harthorne, to recognize and promote research activities of undergraduate medical students pursuing research in the Faculty of Medicine and Health Sciences. Awarded by the Faculty of Medicine and Health Sciences' Student Research Committee to one or more medical students in the Faculty at McGill University.

Value: varies.

James O. Meadows and Maria Meadows Awards

Income from a bequest from the late Dame Maria Cowan Meadows provides awards for undergraduates or graduates in the Faculty of Medicine and Health Sciences for the purpose of supporting research. Preference will be given to candidates working in the field of cancer research, but worthy candidates in other areas of medical or surgical research will also be considered. Application is made to the Dean of the Faculty of Medicine and Health Sciences.

John H. Altshuler Research Award in Pathology or Dermatology or Hematology

Established in 2006 by David Altshuler and the Altshuler Family in memory of his late father John H. Altshuler, B.Sc.'55, M.D.,C.M.'59. Awarded annually by the Faculty of Medicine and Health Sciences' Student Research Committee to a medical student in the Faculty of Medicine and Health

Sciences who participates in a research project at McGill University. Preference will be given to students pursuing research within the fields of P

Murray R. Stalker Primary Care Research Bursary

Established in 2007 by Dr. Merrill Stalker, B.Sc.'47, M.D.,C.M.'51 in memory of his father, Murray R. Stalker, M.D.,C.M.'24, who was one of the principal founders of the College of Family Physicians of Canada. A

Alex W. Strasberg M.D.,C.M.'21 and Harvey M. Weinstein M.D.,C.M.'67 Global Health Award

Established in 2016 by Rhona Weinstein (née Strasberg), B.A.'67, M.A.'69, and Harvey M. Weinstein, B.Sc.'63, M.D.,C.M.'67, in honour of Rhona's late father, Alex W. Strasberg, M.D.,C.M.'21 and Harvey M. Weinstein, M.D.,C.M.'67, both pioneers and advocates in clinical work and research related to vulnerable populations.

An immigrant to Canada, Dr. Strasberg was among the earliest Jewish students to graduate from McGill Medicine. He became a urologist on staff at the Jewish General Hospital and the Royal Victoria Hospital, conducted research, and taught in the Department of Urology at McGill. He devoted his practice to treating the poor and was for many years the physician of choice for many in the Montreal Chinese immigrant community.

Dr. Weinstein trained as a psychiatrist at Yale University and worked in university student health at Stanford University as well as in hospital and private practice settings. In later years he earned a public health degree from UC Berkeley and devoted his time to research and policy in refugee and immigrant health. Author of two books and numerous articles, he also became involved in human rights scholarship and advocacy about how countries respond to ethnic cleansing and genocide.

Awarded by the Faculty of Medicine and Health Sciences upon recommendation of the Director of Global Health Programs to provide support for undergraduate medical students or postgraduate residents in the Faculty who are engaged in global health research and/or clinical training related to immigrant, refugee, and aboriginal/indigenous populations, in Canada and abroad. Support may include funds for travel, housing, research, and/or clinical experiences. Preference will be given to projects of merit and projects with cross-disciplinary perspectives as well as faculty support.

Value: varies.

Ambassador Paul Frazer Travel Award for Global Health

Established in 2015 by Paul Frazer, B.A.'70, to provide support for one or more graduate students in the Masters of Science in Public Health program in the Department of Epidemiology, Biostatistics, and Occupational Health at McGill University, who are completing the practicum in under-resourced areas in the world. Awarded by the Faculty of Medicine and Health Sciences upon the recommendation of the Director of Global Health Programs, and Director of the M.Sc.P.H. program.

Value: varies.

The Ashworth Student Travel Award

Established by M. Anthony Ashworth, M.D.,C.M.'61 and family to honour the late Dorothy and William Ashworth of Montreal, the award(s) will support medical students conducting their elective clinical clerkship in remote regions in Canada or in a developing country. As a result of his many trips to the James Bay region, Dr. Ashworth believed that practising with limited technology made the physician a better clinician. It is hoped that those who benefit from these awards make aid to underserved areas of the world a part of their future responsibility. Awarded by the Faculty Medicine and Health Sciences upon the recommendation of the Director of the Global Health Programs.

Value: varies.

Bubbie and Nanny Global Health Travel Award

Established in 2015 by Michael Shevell, B.Sc.'80, M.D.,C.M.'84, in honor of his children's grandmothers, to provide travel support for post-graduate medical residents in either pediatrics or pediatric neurology within the Faculty of Medicine and Health Sciences who are pursuing an elective overseas in under-resourced areas in the world, or among underserved populations in Canada or for professional nurses, occupational therapists, physiotherapists, speech language therapists, or psychologists involved in a McGill project overseas. Awarded by the Faculty of Medicine and Health Sciences upon recommendation of the Director of Global Health Programs, the Pediatric Residency Program Directors, and the Pediatric Neurology Residency Program Director.

Value: varies.

Cavazzoni Family Undergraduate Global Health Award

Established in 2015 by Patrizia Adele Cavazzoni, M.D.,C.M.'87, for three to five outstanding undergraduate students at McGill University undertaking a mentored research project including an international component with McGill Global Health Programs. Awarded by the Faculty of Medicine and Health Sciences upon recommendation of the Director of Global Health Programs.

Value: varies.

Davis, Brun, & De Rito Undergraduate Award for Global Health

Established in 2016 by Francine Davis, B.Phys.Ther.'69, B.Sc.(PT)'85 in memory of and gratitude for the support of Jeanne Brun, Gisèle Brun, and Tony De Rito. For outstanding undergraduate students at McGill University undertaking a mentored research project including an international component with McGill Global Health Programs, in the area of women's and girls' health. Awarded by the Faculty of Medicine and Health Sciences upon recommendation of the Director of Global Health Programs.

Value: varies.

Dr. Freda M. Omaswa Travel Award for the Study of Infectious and Tropical Diseases

Established in 2017 in memory of Freda M. Omaswa, M.D.,C.M.'08 by her classmates, family, friends, and colleagues. Freda was an inspirational human with an exceptional warmth and sincerity that drove her to always put the needs of others ahead of her own. Awarded by the Faculty of Medicine and Health Sciences upon the recommendation of the Director of Global Health Programs to provide travel support for an M.D.,C.M. student travelling to Africa in order to gain experience in tropical and infectious diseases. Preference will be given to an M.D.,C.M. student travelling to Uganda.

Value: approximately \$3,000.

Dr. Milan K. Sen Travel Award in Global Health Surgery

Established in 2016 by Dr. Milan Sen, B.Sc.'94, M.D.,C.M.'98, to provide travel support for undergraduate medical students interested in global surgery within the Faculty of Medicine and Health Sciences who are pursuing an elective overseas in under-resourced areas in the world, or among underserved populations in Canada or the U.S. (e.g., Indigenous populations). Awarded by the Faculty of Medicine and Health Sciences upon recommendation of the Director of Global Health Programs in consultation with the Centre for Global Surgery at the McGill University Health Centre.

Value: varies.

Dr. Yuk Chan Ma and Dr. Yuen Kok Chan Prize in Multicultural and International Medicine

Established in October 2006 by Dr. Alice Chan-Yip, M.D.,C.M.'62, in memory of her late parents. Awarded annually by the Faculty of Medicine and Health Sciences' Scholarships Committee to a medical student who participates in a Canadian multicultural or international elective of at least four weeks. The prize will be awarded to the student who presents the best project demonstrating an understanding of the contribution of social and cultural factors to health.

Value: varies.

Elaine E.L. Wang M.D.,C.M. Travel Award

Established in 2015 by Elaine E.L. Wang, M.D.,C.M.'77, to provide travel support for M.D.,C.M. students who are pursuing an elective overseas in under-resourced areas in the world. Awarded by the Faculty of Medicine and Health Sciences upon recommendation of the Director of Global Health Programs.

Value: \$3,000.

Luger-Mikelberg Travel Award for Global Health

Established in 2017 by Sherry Luger

Established in 2007 by Anjna Majhail, M.S.W.'72. Awarded by the Scholarships and Student Aid Office to full-time undergraduate students entering the Faculty of Medicine and Health Sciences, M.D.,C.M. program, on the basis of demonstrated financial need and academic achievement. Estimated value: \$5,000; renewable.

Annie Diamond Bursaries

Established in 1969 for medical students with financial need. Awarded by the Scholarships and Student Aid Office.

Bellam Memorial Bursaries

Established with a bequest from the estate of the late C.F. Bellam. Awarded by the Scholarships and Student Aid Office on the basis of financial need to students in the Faculty of Medicine and Health Sciences from the Eastern Townships, Quebec, with preference for students from the Stanstead region.

Beverley Cooner Bursary

Established in 1968 by the family and friends of the late Beverley Cooner to assist a deserving medical student. Awarded by the Scholarships and Student Aid Office on the basis of financial need and academic standing.

Bruce and Muriel Kelly Memorial Bursary

Established in 1988 by a bequest from Muriel Kelly to assist a deserving and needy Canadian student pursuing the degree of M.D.,C.M., with a preference given to students from the Toronto area. Awarded by the Scholarships and Student Aid Office.

Bruce Stewart Smith Bursary Fund

From a bequest by the late Dr. Bruce Stewart Smith to enable worthy students with financial need to complete medical training at McGill University.

Campbell Keenan Memorial Scholarship

Established in 1987 by Allan E. McClellan, M.D. '75 and Muriel E. McClellan, M.D. '75 in honor of Campbell B. Keenan. T

Established by the Class of Medicine 1972, in appreciation for the education they received at McGill, and in commemoration of their 25th Anniversary of graduation. Awarded on the basis of financial need by the Scholarships and Student Aid Office to medical students in good academic standing.

Class of Medicine 1978 Bursary

Established in 2015 by the Class of Medicine 1978 on the occasion of their 35th Anniversary reunion. Awarded by the Scholarships and Student Aid Office to students in the M.D.,C.M. program on the basis of demonstrated financial need and good academic standing. Preference will be given to students from under-represented groups.

Class of Medicine 1979 Bursary

Established in 2007 by the Class of 1979 on the occasion of its 25th Anniversary reunion, which took place in 2004. Awarded by the Scholarships and Student Aid Office to students in the M.D.,C.M. or Med-P program on the basis of financial need to one or more students in good academic standing.

Class of Medicine 1981 Bursary

Established in 2007 by the Class of 1981 on the occasion of its 25th Anniversary reunion, which took place in 2006. Awarded by the Scholarships and Student Aid Office to students in the M.D.,C.M. program on the basis of financial need to one or more students in good academic standing.

Class of Medicine 1983 Bursary

Established in 2011 by the Class of Medicine 1983 in honour of their 25th Anniversary reunion. Awarded by the Scholarships and Student Aid Office to students in the M.D.,C.M. program on the basis of financial need and good academic standing.

Class of Medicine 1987 Bursary

Established in 2014 by the Class of Medicine 1987 on the occasion of their 25th Anniversary reunion, to honour the memory of their classmates: William Herman Delong, M.D.,C.M.'87, Settimio Di Cori, B.Sc.'83, M.D.,C.M.'87, Richard Douglas Kohn, M.D.,C.M.'87, Ian Michael Rubins, B.Sc.'83, M.D.,C.M.'87, M.Sc.'92, Stacey Ann Schwartz, M.D.,C.M.'87, and Kenneth McNeill Wright, B.Sc.'83, M.D.,C.M.'87. A

Value: varies.

Dr. David T.W. Lin Foundation Scholarship

Established in 1993 in honour of Dr. David T.W. Lin, B.Sc.'37, M.D.'40, O.C., Surgeon Emeritus at the Royal Victoria Hospital, Honorary President of the Montreal Chinese Hospital, and a leader in the Chinese community. Awarded by the Scholarships and Student Aid Office to a medical student on the basis of academic achievement and demonstrated need. Preference will be given to students of Chinese origin.

Dr. E.M. Fisher Memorial Scholarship

Available to any medical undergraduate student and awarded by the Scholarships and Student Aid Office.

Dr. Elfric D. Brown Bursary in Medicine

Established in 1973 by a bequest from the late Elfric D. Brown, M.D.,C.M. The income provides bursaries to help deserving students in the Faculty of Medicine and Health Sciences.

Value: varies.

Dr. Harold N. Lyngø Bursaries

Established in 2004 by Dr. Harold N. Lyngø, M.D.,C.M.'49, for one or more undergraduate medical students in good academic standing in the Faculty of Medicine and Health Sciences who demonstrate financial need. Aw

Established in 2016 in memory of Edythe and David Carlin by their son, Michael Lawrence Carlin, M.D.,C.M.'88, in support of undergraduate students in the Faculty of Medicine and Health Sciences. Awarded by the Scholarships and Student

Awarded to a student from Eastern Ontario (Counties of Dundas, Stormont, Glengarry, Grenville, Carleton, Russell and Prescott) or from Montreal. Based upon distinguished academic standing and financial need; tenable in second year and may be renewed. Awarded by the Scholarships and Student Aid Office to medical students.

James H. Cummings Scholarships

Bequeathed by the late James H. Cummings. Awarded by the Scholarships and Student Aid Office to undergraduate medical students on the basis of academic standing and financial need.

John and Barbara Altshuler Entrance Bursaries in Medicine

Established in 2006 by David Altshuler and the Altshuler family, in honour of his parents, John Altshuler, B.Sc.'55, M.D.,C.M.'59, and Barbara Altshuler, DIP. P.Th.'58. Awarded by the Scholarships and Student Aid Office to a full-time undergraduate student entering the Faculty of Medicine and Health Sciences M.D.,C.M. program, on the basis of demonstrated financial need and academic achievement. Renewable for a maximum of four years, provided the holder maintains the same level of financial need and academic standing.

Estimated value: \$5,000 each.

Joseph Israel Bennett Bursary

A bequest from the late Joseph Israel Bennett provides an annual bursary for a deserving medical student. Awarded by the Scholarships and Student Aid Office.

Kanekichi and Shizue Ohashi Bursary

Established in 2011 by David O'Hashi, B.Sc.'57, M.D.,C.M.'61, in memory and honour of his parents. Full v

Maureen Peszat Bursary

Established in 2015 by the late Maureen Peszat, B.N.'66, for full-time students entering their third year of the M.D.,C.M. program in the Faculty of Medicine and Health Sciences. Aw

Samuel Eidlow Memorial Bursary

Established for worthy medical undergraduate students with financial need. Awarded by the Scholarships and Student Aid Office.

Samuel Rosenfeld Bursary

Established by Ida Rosenfeld Letovsky in memory of her late husband, Samuel Rosenfeld, to support worthy undergraduate medical students. Awarded by the Scholarships and Student Aid Office.

Shirley Auld Bursaries

Established in 2007 by Dr. Peter Auld, M.D.,C.M.'52, in memory and in honour of his late wife, Shirley Auld. Awarded by the Scholarships and Student Aid Office to students in the M.D.,C.M. program on the basis of financial need.

Simon And Rosalie Halpern Memorial Scholarship

Established by the late Dr. Fanny G. Halpern in memory of her parents. Awarded by the Scholarships and Student Aid Office to medical students of the Roman Catholic or Jewish faith who have distinguished academic standing and financial need.

Solomon David Sacks Bursary

Established in 1973 by Mr. and Mrs. Issie Sacks in memory of their son, to assist a deserving medical student in financial need. Awarded by the Scholarships and Student Aid Office.

Sydney Blidner Memorial Scholarship

Established in 1996 by a bequest of the late Pauline Blidner Krupp in memory of her brother. Awarded by the Scholarships and Student Aid Office to worthy undergraduate students in any year in the Faculty of Medicine and Health Sciences on the basis of academic standing and financial need.

Tannenbaum Entrance Bursary

Established in 2009 through the generous bequest of Mr. Hyman O. Tannenbaum to assist students in the Faculty of Medicine and Health Sciences. Awarded by the Scholarships and Student Aid Office to one or more students on the basis of financial need and good academic standing. Estimated value: \$5,000.

T. F. Rose Bursary

Established in 2010 through the generous bequest of Sylvia Rose, honouring the wishes of her late husband, T.F. Rose, M.D.,C.M.'43, for undergraduate students in the Faculty of Medicine and Health Sciences. Awarded by the Scholarships and Student Aid Office on the basis of good academic standing and demonstrated financial need.

Walter J. Hoare Memorial Scholarship

Endowed by the late Dr. Charles W. Hoare, a graduate of McGill University, in memory of his son, Walter J. Hoare, who was killed in World War I. Preference is given to graduates of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine and Health Sciences.

Established in 1958 by donations from students, graduates, and staff in memory of the late Gertrude Mudge, for many years Assistant Secretary of the Faculty of Medicine. Available to medical students. Loans shall not exceed the fees for the year.

Kellogg Loan Fund

Established by the Kellogg Foundation. Available to students in good standing and with financial need.

Lacey Loan Fund

Established in 1962 by a donation from Mrs. Herbert Van Devanter Lacey of Cheyenne, Wyoming, primarily to aid medical students from the State of Wyoming. It may however be extended to others in accordance with the following priorities: dental students from Wyoming; medical students from other states of the U.S.A.; medical students from other countries. Loans are not to exceed \$2,000 per year.

Weston Fay Volberg Jr. Memorial Loan Fund

Established in 1956 by classmates of the late W

Value: varies.

Mary and Louis Streicher Prize

Established in 1980. Awarded to the student with the highest standing in the Digestion and Metabolism course.

Value: varies.

Samuel Rosenfeld Prize

Awarded to the student with the highest standing in the Defense course.

Value: varies.

Shirley Nancy Endman Prize

Established in 1982 by Louis Endman in memory of his wife. Awarded to the student who obtains the second highest standing in the Renal course.

Value: varies.

7.5.2 YEAR 2: FMD 2

Dr. Arthur S. Solomon Award

Presented to the student attaining the second highest standing in the FMD – Fundamentals of Medicine and Dentistry component of the curriculum.

Value: varies. (awarded by Dentistry – Medicine & Dental students).

Francis Mcnaughton Prize

Established in 1980, awarded to the student with the highest standing in the Human Behaviour course.

Value: varies.

Joseph Morley Drake Prize

Founded by the late Joseph Morley Drake, M.D.. Awarded to the student with the highest standing in the FMD – Fundamentals of Medicine and Dentistry component of the curriculum.

Value: varies.

Robert B. Greenblatt Prize

Endowed in 1987 by Dr. Robert B. Greenblatt, an eminent endocrinologist and Professor Emeritus at the Medical College of Georgia, who graduated from McGill with a B.A. in 1928 and an M.D.,C.M. in 1932. Awarded to the student who obtains the highest standing in the Reproduction and Sexuality course.

Value: varies.

Sutherland Prize

Founded in 1878 by the late Mrs. Sutherland in memory of her husband, William Sutherland, M.D., formerly Professor of Chemistry in the Faculty of Medicine. Awarded to the student who obtains the highest standing in the FMD – Fundamentals of Medicine and Dentistry component of the medical undergraduate curriculum.

Value: varies.

YEAR 2: TCMAg1 0 0 1 15n Tf1I ColleA

Project (CHAP), with a view to affecting positive change in the society. Course prize based on a reflective paper following their CHAP experience and a course prize based on small group TCP project. Awarded on an annual basis by the Faculty of Medicine and Health Sciences on the basis of merit. Value: varies.

Harry S. Gross Memorial Prize

Bequeathed by the late Mrs. Esther B. Gross in memory of her late husband, Harry S. Gross, D.D.S. 1913, M.D.,C.M. 1921. Awarded to the student with the highest standing in the Transition to Clinical Practice Surgery course. Value: varies.

Mr. and Mrs. J.A. Besner Prize

Awarded to the student obtaining the highest standing in the Transition to Clinical Practice component. Value: varies.

7.5.4 YEAR 3

Albert William Fulton Scholarship in Medicine

Established in 2013 through the generous bequest of the late Emily Tatiana Fulton, in memory of her husband, Albert William Fulton, B.A.'58, whose love and appreciation of history and teaching enriched his life. Awarded by the Faculty of Medicine and Health Sciences to an outstanding student enrolled in the full-time undergraduate, M.D.,C.M. program on the basis of academic merit. Preference will be given to Canadian students. Value: varies.

Goodwin Prize in Physicianship

Established in 1953, awarded annually to a third year student enrolled in the "Formation of the Healer and Professional" course who writes the best essay in response to topics given for the end of the year assignment. The students will be instructed that the essay should represent the integration of concepts taught in the course along with their own personal experiences and observations in the clinical practice during clerkship. Value: minimum \$1,500.

Samuel Wigdor Scholarship in Medicine

Established in 2014 by the late Samuel Wigdor, B.A.'52, for outstanding M.D.,C.M. students in the Faculty of Medicine and Health Sciences. Awarded by the Faculty to students who have completed at least one year of the M.D.,C.M. program, on the basis of high academic standing. Value: varies.

Winifred Margaret Ross Prize in Palliative Care

Established in 2009 through the estate of Winifred Margaret Ross, M.Sc.'48, M.D.,C.M.'52. Awarded by the Faculty of Medicine and Health Sciences for the best essay written in the field of palliative care to one student in their third year and one student in their fourth year of the M.D.,C.M. program. Estimated value: \$1,500 each.

7.5.5 YEAR 4: Graduation

Abdul K.I. and Zai Razack Memorial Medical Student Prize for Social Justice in Medicine

Established in 2012 by Dr. Saleem Razack, a faculty member, for outstanding graduating medical students who have demonstrated a commitment to addressing the health care concerns of local identified vulnerable and marginalized populations through either research or advocacy during medical school. Awarded by the Faculty of Medicine and Health Sciences. Value: varies.

Alexander D. Stewart Prize

Founded by the late W. Grant Stewart (Arts, 1885; Medicine, 1888) in memory of his brother, the late Alexander D. Stewart (Medicine, 1888). Awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every aspect the highest qualifications to practise the profession. Value: varies.

Brian Newton Memorial Award

Established by the Class of Medicine 1985, in appreciation for the education they received at McGill, and in memory of their fellow classmate Brian Newton, B.Sc.'81, M.D.,C.M.'85. Awarded by the Faculty of Medicine and Health Sciences' Committee on Student Promotions and Curricular Outcomes to the student who obtains the highest standing in the Obstetrics and Gynecology clerkship. Estimated value: \$2,500.

C.H.A.P Partnering for Healthier Communities Course Prize

Established in 2014 by the Class of Medicine 1988 in honour of their 25th anniversary of graduation, to recognize one or more medical students in the M.D.,C.M. program. The Prize will be awarded to those who have undertaken the best community project within the Community Health Alliance Project (CHAP), with a view to affecting positive change in the society. Awarded on an annual basis by the Faculty of Medicine and Health Sciences on the basis of merit.

Dr. Allen Spanier Prize for Professionalism in Medicine

Established in 1999 by Beverly Spanier, B.A.'67 to honour the memory of her brother Dr. Allen Spanier, M.D.,C.M.'72. Dr. Spanier was chief of the Intensive Care Unit at the Jewish General Hospital for 21 years. Awarded annually by the Faculty of Medicine and Health Sciences to a graduating student who has maintained high academic standing and exhibited a high standard of professionalism and compassion toward patients, their families, fellow students, and University and hospital staff during the Practice of Medicine component of the curriculum. In case of equally meritorious candidates, financial need will be used to determine the recipient.

Minimum value: \$500.

Dr. Mark Cohen Prize in Ophthalmology

Established in 2009 by Mark Cohen, M.D.,C.M.'92. Awarded annually by the Faculty of Medicine and Health Sciences to a graduating student who has completed the M.D.,C.M. program with strong academic standing and who will be pursuing a residency in a Canadian ophthalmology post-graduate training program.

Value: \$2,500.

E. David Sherman Award in Geriatric Medicine

Awarded to the most outstanding student in the field of Clinical Geriatric Medicine. Awarded by the Faculty of Medicine and Health Sciences' Scholarships Committee.

Value: minimum \$1,500.

Elizabeth Ann Munro Gordon Prize

Established in memory of Dr. Elizabeth Ann Gordon. Awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise the profession of Medicine and has demonstrated outstanding leadership abilities.

Value: \$2,500.

H.S. Birkett Memorial Prize in Otolaryngology

Established by Miss Winifred Birkett in memory of her father, the late Dr. H.S. Birkett, formerly Professor of Otolaryngology. Given to the student who has shown outstanding performance in Otolaryngology.

Estimated value: \$1,800.

J. Francis Williams Prize in Medicine and Clinical Medicine

Founded by the late J. Francis Williams, M.D. Awarded to the student obtaining excellence in the Internal Medicine Clerkship of the medical curriculum.

Value: \$500.

John H. Altshuler Prize in Family Medicine

Established in 2006 by David Altshuler and the Altshuler family, in honour of his father, John Altshuler, B.Sc.'55, M.D.,C.M.'59. Awarded annually by the Faculty of Medicine and Health Sciences to a graduating medical student with the highest mark in the Family Medicine Clerkship.

Estimated value: \$1,000.

Keenan Memorial Prize in Clinical Surgery

Established by the late Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. The prize will be awarded to the student in the graduating class who has shown the highest proficiency in Clinical Surgery as determined by the Chair of the Department of Surgery. The winner of the Robert Forsyth Prize is ineligible for this award.

Value: \$1,700.

McGill Alumnae Society Prize

Presented upon ze

in vascular surgery, performed either during the compulsory Surgery Clerkship (sub-specialty in vascular surgery) undertaken in Year 3 of the M.D.,C.M. program or during a clerkship elective in vascular surgery undertaken in Year 3 of 4.

Psychiatry Prize

Awarded on the recommendation of the Department of Psychiatry to the student who has shown the most promise in this field.
Value: \$200.

Reilly Madsen Prize

Established to honour the memory of Reilly Madsen who was Manager, Records and Research, Development and Alumni Relations Services. Awarded, on recommendations from faculty and students, to a student with good academic standing who had demonstrated exceptional warmth and empathy toward patients.
Value: \$600.

Robert Forsyth Prize

Bequeathed by the late Miss Jeanie Forsyth, awarded annually to the graduating student who has shown particular ability in all branches of Surgery.
Value: min \$450.

Ronald Douglas Naymark Award

Established by the Medical Class of 1984 in memory of Ronald Douglas Naymark, B.Sc., M.D.,C.M. (McGill), this award is given to that member of the graduating class who most enriches the life of the class in the eyes of his or her peers. The award seeks to recognize an individual who inspires trust, confidence, optimism, and enthusiasm in his or her medical colleagues. The individual is a participant in class activities and is in satisfactory academic standing.
Estimated value: \$500.

Scriver-Steinberg Convocation Prize in Human Genetics and Metabolism

Established in 2013 by Charles R. Scriver, B.A.'51, M.D.,C.M.'55, D.Sc.'07, a renowned geneticist and Alva Professor Emeritus of Human Genetics at McGill, and H. Arnold Steinberg, B.Com.'54, LL.D.'00, Chancellor of McGill, and past Senior Executive of Steinberg Inc., who began working together in the early 1970s to solve problems: some affecting the health of populations, others affecting citizens with rare genetic diseases. This prize recognizes a person with exceptional potential to translate knowledge into practice to make a difference in the well-being of patient, family, or community. Awarded by the Faculty of Medicine and Health Sciences to a deserving graduating M.D.,C.M. student who has pursued research in the field of genetics and metabolism, or to a student who has either completed his/her Ph.D. as part of the M.D.,C.M.&Ph.D. program, or has completed his/her Ph.D. while in medical school.
Value: varies.

Strachan Alexander Hartley Award

Given in memory of Dr. Hartley (deceased 2004), this award recognizes a student who demonstrated athletic leadership and academic excellence.

Winifred Margaret Ross Prize in Palliative Care

Established in 2009 through the estate of Winifred Margaret Ross, M.Sc.'48, M.D.,C.M.'52. Awarded by the Faculty of Medicine and Health Sciences for the best essay written in the field of palliative care to one student in their third year and one student in their fourth year of the M.D.,C.M. program.
Estimated value: \$1,500 each.

7.5.6 Medals

Holmes Gold Medal

Founded by the Medical Faculty in 1865, in memory of the late Andrew Holmes, M.D., LL.D., Dean of the Faculty. It is awarded to the student graduating with the highest aggregate standing in the entire medical curriculum.

Wood Gold Medal

Endowed by Casey A. Wood, M.D., LL.D., in memory of his grandfather, Thomas Smith Wood. It is awarded for the most outstanding clinical performance achieved by a student in the Clerkship Period. The winner of the Holmes Medal is not eligible.

8 Programs of Study, Admission, and Curriculum

Tous ces informations sont disponibles en français et anglais au : mcgill.ca/medadmissions .

All information is available in both English and French at: mcgill.ca/medadmissions .

8.1 About Medical Programs

8.1.1 Location

Faculty of Medicine and Health Sciences

Administrative Offices
3605 de la Montagne Street
Montreal QC H3G 2M1
Canada
Website: mcgill.ca/medhealthsci

Educational Services

680 Sherbrooke Street West, Office 1701
Montreal QC H3A 2M7
Canada
Website: mcgill.ca/medhealthsci/education

Office of Admissions

1010 Sherbrooke West, Suite 1230
Montreal QC H3A 2R7
Canada
(Entrance to building is via Metcalfe Street)
Website: mcgill.ca/medadmissions

General Information

Administrative Offices: 514-398-3515
Educational Services: 514-398-1768
Admissions Information: 514-398-3517
Website: mcgill.ca/medhealthsci/about/contact

8.1.2 Medical Societies

All registered medical students are part of the **McGill Medical Students' Society Inc.** Please refer to [section 4: Medical Societies](#) to find out what this means to you, and to learn more about student activities and resources.

8.1.3 Undergraduate Medical Programs

For information about the Faculty of Medicine and Health Sciences, its mission, and its objectives please refer to the [section 1: Medicine and Health Sciences](#) faculty section.



Note: For a schedule of fees of any of these programs, please consult the [Student Accounts office](#) website.

[section 8.1.4: Doctor of Medicine and Master of Surgery \(M.D.,C.M.\) Medicine \(200-204 credits\)](#)

A four-year undergraduate medical curriculum leading to the M.D.,C.M. (*Medicinae Doctorem et Chirurgiae Magistrum*) degree. The curriculum objectives correspond to the Faculty of Medicine and Health Sciences' mission to equip the student to meet the highest standards of medical practice and professionalism and to ensure career-long e

section 8.1.4: Doctor of Medicine and Master of Surgery (M.D.,C.M.) Medicine (200-204 credits)

- Transition to Clinical Practice (TCP)
- Clerkship
- Physicianship

Units in the Physicianship component are introduced sequentially. For selected students, the program includes a one-year integrated clerkship in Gatineau/Hull or elsewhere outside the city of Montreal. Promotion criteria are the same as in Montreal.

Electronic media, multimedia, and other information technologies are used by the Faculty for teaching purposes and to promote learning. Therefore, students should expect to be audio- and/or video-recorded as part of the program; for example, with learning being done at the Steinberg Centre for Simulation and Interactive Learning.

Students are introduced to clinical observation in the first year of the M.D.,C.M. program, and will take on more active responsibilities upon entering clerkship in third year. While the language of instruction for classes is English (Montreal campus) or French (Outaouais campus), our clinical environment is bilingual or francophone, so it is important to feel comfortable and prepared to work in both French and English, as per the M.D.,C.M. Language Policy. To offer helpful suggestions for language learning resources, the Admissions office is mandated to assess students' language proficiency before the program begins. Please refer to [section 8.6.6: Language Proficiency](#) for further details.

The Faculty does not accept students for part-time medical studies.

section 8.1.5: Doctor of Medicine & Master of Surgery with Ph.D. (Joint M.D.,C.M. & Ph.D.)

Note: The M.D., C.M. graduate may apply for a license only to practice medicine in a supervised (postgraduate residency training program) setting, and not for independent practice.

Required Courses (200 credits)**Fundamentals of Medicine and Dentistry**

INDS 111	(6)	Molecules to Global Health
INDS 112	(6)	Respiration
INDS 113	(8)	Circulation
INDS 114	(8)	Digestion and Metabolism
INDS 115	(6)	Renal
INDS 116	(6)	Defense
INDS 117	(6)	Infection
INDS 118	(6)	Movement
INDS 123J1	(1)	Research Fundamentals 1
INDS 123J2	(1)	Research Fundamentals 1
INDS 123J3	(1)	Research Fundamentals 1
INDS 124J1	(1)	Longitudinal Family Medicine Experience
INDS 124J2	(1)	Longitudinal Family Medicine Experience
INDS 124J3	(1)	Longitudinal Family Medicine Experience
INDS 125J1	(0)	Reflection and Evaluation 1
INDS 125J2	(0)	Reflection and Evaluation 1
INDS 125J3	(0)	Reflection and Evaluation 1
INDS 211	(6)	Reproduction and Sexuality
INDS 212	(12)	Human Behaviour
INDS 223	(1.5)	Research Fundamentals 2
INDS 225	(0)	Reflection and Evaluation 2

Transition to Clinical Practice

ANAE 301	(2)	TCP Anesthesia
FMED 301	(3)	TCP Family Medicine
IMED 301	(7)	TCP Internal Medicine
INDS 224J1	(.666)	Community Health Alliance Project - C.H.A.P
INDS 224J2	(.667)	Community Health Alliance Project - C.H.A.P
INDS 224J3	(.667)	Community Health Alliance Project - C.H.A.P
INDS 305	(1)	Transition to Clerkship
INDS 323	(0)	TCP Integrated Assessment
NEUR 301	(2)	TCP Neurology
OPHTH 300	(1)	TCP Ophthalmology
PAED 301	(2)	TCP Pediatrics
RADD 301	(1)	TCP Radiology
SURG 301	(4)	TCP Surgery

IPEA 501	(0)	Communication in Interprofessional Teams
IPEA 502	(0)	Patient-Centred Care in Action
IPEA 503	(0)	Managing Interprofessional Conflict

Elective Course (0-4 credits)

ELEC 200	(0)	Global and Public Health Pre-Clerkship Elective
ELEC 300	(4)	Elective

8.1.5 Doctor of Medicine & Master of Surgery with Ph.D. (Joint M.D.,C.M. & Ph.D.)

Students interested in a research career in academic medicine may wish to apply for admission to the joint M.D.,C.M. & Ph.D. program. This is a seven-year program in which the basic and clinical sciences portion of the medical curriculum are completed from September of Year One to December 31 of Year Two, prior to the be

The program is offered by the Faculty of Science in English on McGill's Montreal campus, and Gatineau, Quebec in French in partnership with Université du Québec en Outaouais. Students completing the Med-P year in Gatineau continue to the MDCM program in French at Campus Outaouais.

8.2 Other Programs Offered Within the Faculty of Medicine and Health Sciences

8.2.1 Bachelor of Science (B.Sc.) Programs

For Bachelor of Science (B.Sc.) programs available from the departments in the Faculty of Medicine and Health Sciences, consult the [Faculty of Science Undergraduate section](#).

Graduate Studies and Research

Full time Canadian Armed Forces members who have a minimum of 1 year experience in the military can apply for a position through the military program for medical studies. This program is financed by the Canadian Armed Forces and ensures the admission of francophone students to medical programs. The objective of the program is to increase the number of positions for francophone Family Medicine military students in the years ahead. Students admitted via this cohort need to complete their medical studies and then complete Postgraduate medical training in Family Medicine.

For more information, please consult mcgill.ca/medadmissions/applying/categories/canadian-armed-forces-pathway

Office of Admissions, Faculty of Medicine and Health Sciences

McGill University
1010 Sherbrooke Street West, Suite 1210
Montreal QC H3A 2R7 Canada
Telephone: 514-398-3517
Fax: 514-398-4631
Email: admissions.med@mcgill.ca
Website: mcgill.ca/medadmissions
Twitter: [@mcgillmedadm](https://twitter.com/mcgillmedadm)

8.3.1 Special Admissions Pathways

8.3.1.1 Quebec First Nations and Inuit Faculties of Medicine Program

The Quebec First Nations and Inuit Faculties of Medicine Program (*Programme des facultés de médecine pour les Premières Nations et Inuits au Québec*; PFMPNIQ) was established in 2008. Under this program, six positions for medical training in any of the four Quebec faculties of medicine are available for eligible applicants. Eligibility requirements:

1. The applicant must be a member of the First Nations or Inuit, under the Indian Act (RSC, C1-5) or in the Inuit registry.
2. The applicant must be a resident of Quebec.
3. The applicant must have a minimum R-Score of 28 or equivalent university CGPA.

The six spots are available for all of Quebec's faculties of medicine (*Université Laval, Université de Montréal, McGill University, and Université de Sherbrooke*). The choice of university is based on the candidate's preference and the available spots in the faculties.

Applicants with First Nations or Inuit status may choose whether or not to declare their status. If they decide to declare and confirm their status as a member of the First Nations or Inuit of Quebec, they will be considered as part of the regular Quebec contingent (evaluation of application according to the regular selection process for this contingent, with participation in the McGill bilingual multiple mini-interviews (MMI) based on academic record) as well as part of the First Nations and Inuit contingent. It is thus possible for a candidate's application to be processed for both contingents in parallel.

Applicants who elect not to declare their First Nations or Inuit status will be considered along with every other applicant in the regular Quebec contingent.

For more information on this program, please contact the First Nations of Quebec and Labrador Health and Social Services Commission program coordinator at jedeviensmedecin.com/nous-joindre/. More information is available at www.jedeviensmedecin.com

Follow the application process for university-level Canadian residents and indicate in the academic history workbook that you are selecting this pathw

8.3.1.6 Canadian Armed Forces Pathway

The Canadian Armed Forces pathway (Programme militaire d'études en médecine -PMEM) is open to full time Canadian Armed Forces members who have a minimum of 1 year experience in the military. Applicants must indicate their intention to apply for a position by sending an email to the attention of: admissions.med@mcgill.ca and confirming their eligibility with the CAF by contacting the positional mailbox: CFHSAAttractionCell-CelluledattractionSSFC@forces.gc.ca.

This program is financed by the Canadian Armed Forces and ensures the **admission of francophone students to medical programs offered in French**. The objective of the program is to increase the number of positions for francophone Family Medicine military students in the years ahead. Students admitted via this cohort need to complete their medical studies and then complete Postgraduate medical training in Family Medicine. The PMEM is a partnership between the Canadian Armed Forces, the Government of Quebec and the 4 faculties of Medicine who offer medical training in French in Québec: McGill University (Campus Outaouais only) Sherbrooke University University of Montreal Laval University.

Candidates admitted through the PMEM at McGill are placed only at Campus Outaouais located in Gatineau, QC; if admitted through the regular residency cohort, the usual campus selection process applies. Classroom and clinical instruction at Campus Outaouais are in French. The Canadian Armed Forces only recommends candidates who are competent in French for this cohort.

Please take note that members of the Canadian Reserve and non Canadian Armed Forces candidates are not admissible to apply to this program. These candidates can apply through our regular admission pathways.

To be considered in the programme militaire d'études en médecine (PMEM), candidates must first be evaluated as a Quebec resident of Canada (non-QC) resident depending on their applicant profile. Candidates must first fulfill this selection process that corresponds to their applicant category, ensure that they respect the requirements of their applicant category and familiarize themselves with the selection process. Candidates can decide to not identify themselves as members of the regular Canadian Armed Forces and decide to apply only in the category for which they are initially admissible.

Selection Process

Candidates must complete the regular competitive selection process for their regular residency cohort. At the end of the selection process, successful candidates will be considered in the programme militaire d'études en médecine (PMEM), if they meet all of the following criteria:

- Your name appears in the list of final selection in the category you are admissible for and your name appears on the waitlist, but NO other offer of admission for this category has been offered to you by June 30 of the year you submit your admission application.
- Your name appears on the final selection list for the programme militaire d'études en médecine (PMEM).
- Your name appears on the list of candidates the selection committee for the Canadian Armed Forces is ready to fund in the PMEM for the admission cycle you are submitting your application.

8.3.2 Applicant Categories

The provincial government, by decree, determines the number and distribution (by residence) of available places for medical training in Quebec. Each applicant must submit proof of citizenship at the time of application. Canadian citizens or permanent residents must submit the application date

Please consult [section 8.4: Eligibility Requirements](#) for further information and requirements for all of the above categories.

8.3.3 Academic Criteria

Undergraduate Degree Performance

The assessment of academic performance for M.D.,C.M. applicants holding university degrees (excluding Quebec First Nations and Inuit, and Quebec International Medical Graduate) is based on the following:

1. Undergraduate degree cumulative grade point average;
2. Completion and passing of the basic sciences (science prerequisites);
3. Overall academic context.

The primary basis of the assessment of undergraduate degree performance is the **degree cumulative grade point average** (CGPA) used for the basis of admission. Successful applicants have historically demonstrated a CGPA above 3.5 out of 4.0 (average approximately 3.8). Applicants with a CGPA below 3.5 are rarely considered to be competitive.

The Admissions Committee reserves the right not to consider those who do not have a minimum of 60 consecutive undergraduate graded credits (i.e., two full-time academic years) at the time of application.

For information on degree requirements, consult [section 8.4: Eligibility Requirements](#).

Performance in the Basic Science Prerequisites

The basic science prerequisite course grades must meet the minimum for eligibility for transfer credit/advanced standing or exemption status for McGill University (normally a grade of C or above) Pass, Satisfactory, credit, etc. grades will be accepted for Winter 2020 courses only.

Candidates seeking an exemption for the basic sciences are encouraged to contact the admissions office between June and September of the year they wish to apply to medicine. The admissions office reserves the right to not consider requests for substitution for basic sciences after September 30.

For information on basic science prerequisites, consult [section 8.4.2: Basic Science Prerequisites](#).

Consideration of the MCAT

Where required valid MCAT results are submitted, results will be considered according to our academic minimum grade.



Note: For more information about which applicants are required to submit an MCAT score, please see [section 8.4: Eligibility Requirements](#) and [section 8.4.3: MCAT \(Medical College Admission Test\)](#).

6. respect for others
7. intellectual curiosity
8. reliability, dependability
9. responsibility, teamwork
10. ability to deal with conflict or stressful situations
11. leadership, initiative
12. sense of assurance despite ambiguity or self-confidence
13. community involvement, social activism
14. level of professionalism, respect for the public at large
15. personal development

8.3.5 File Review Process

Positions to train in medicine in Quebec are determined by governmental decree; please see [section 8.3.2: Applicant Categories](#). Students within each cohort compete with each other for a pre-determined number of positions within the particular cohort.

Each year, the *Office of Admissions* determines the number of interviews that will be held for each cohort. When an application is received, it is ranked among others in the same cohort according to academic performance. There is no strict GPA threshold; rather, ranking is based upon the relative strength of an academic performance in a given application in comparison to others in the same cohort. The same process is applied for the Casper test score. On the basis of this preliminary academic or Casper performance ranking, a review of the supporting documents for competitive candidates within a given cohort is carried out. Supporting documents are reviewed for approximately four to six times the number of candidates that we anticipate interviewing; i.e., if we intend to interview 50 people in a particular cohort, an evaluation of supporting documents for the top 200-300 files is conducted in order to determine which 50 candidates will be invited to interview.

For those applicants who are invited to attend the multiple mini-interviews, note that a final rank order list (which includes those who will receive an offer of admission and those who will be placed on a waiting list) is weighted 100% on the interview performance score.

The waiting list remains active for as long as is feasible and necessary; sometimes until the beginning of classes.

Special admission pathways

may have adjustments to this general file review process, consult each pathway for details.

Note: These formulas are guidelines only and are subject to review and c,prting9 0 1 200.55565 rg71.604 4355981 Tm(These fors)Tj0 G0 Commi muej1 a0 1 1

These requirements apply to applicants who apply holding university degrees in either the Quebec resident, Out-of-Province Canadian, or International categories. Quebec residents applying through the First Nations and Inuit of Quebec Faculties of Medicine Program or to the Med-P Qualifying year (Cegep-level applicants) should refer to their respective applicant category (as defined in [section 8.3.2: Applicant Categories](#)).

The degree used as the basis of admission must be successfully completed by July 31 of the year of entry to the M.D.,C.M. program. This degree must be a Bachelor's degree and meet the following conditions:

Basis of Admission (Undergraduate) Degree

A 120-credit ("four-year") or equivalent bachelor's degree from an accredited institution in any discipline. Applicants who have successfully obtained a Diploma of Collegial Studies (*Diplôme d'études collégiales*; "DEC") in a pre-university program can apply with a 90-credit program from a Quebec university.

The undergraduate program must have been undertaken on a full-time basis and should be completed in the time prescribed by the program. A full course load (e.g. 12-15 credits) per semester and completion within the time prescribed by the program is expected, however, applicants with some part-time semesters, who have taken up to 1 additional year to complete a bachelors' degree remain eligible; the final assessment based on individual circumstances remains the responsibility of Admissions. A full course load (as defined by the institution awarding the degree) is expected in regular sessions. Summer or other interim sessions are acceptable, assuming a full-time registration in regular sessions. The Admissions Committee e

3. in Physics a minimum six (6) credits of introductory coursework, with labs;

Grades of “Pass/Fail” (Satisfactory/Unsatisfactory) or of similar schema are not acceptable in coursework (numerical or letter-class grades are required), with the exception of courses completed in the Winter 2020 semester, which was disrupted due to the COVID-19 pandemic.

Academic performance in these courses will be considered; distance or correspondence education courses may be acceptable and at the discretion of the Office of Admissions (Faculty of Medicine and Health Sciences).



Notes:

- All of the basic science prerequisite courses must be **completed at the time of application**, with grades noted on the submitted transcript; however, a maximum of three (3) courses can be outstanding (*i.e.*, in progress in the Fall or Winter term) at the time of application. Transcripts for these outstanding courses must be received by the Office of Admissions (Faculty of Medicine and Health Sciences) no later than **May 30, prior to beginning program**.
- The assessment of basic science performance is based upon a candidate's academic results in the relevant science prerequisite courses as undertaken either in college, university, or acceptable pre-university alternatives as described in the requirements. Advanced studies in the basic sciences may also be considered in this assessment. Candidates seeking a substitution for the basic sciences are encouraged to contact the admissions office **between June and September** of the year they wish to apply to Medicine. The admissions office reserves the right not to consider requests for exemption or substitution for basic sciences after September 30.
- Though not required, university-level courses in **physiology, molecular biology, and cell biology & metabolism** are strongly recommended. Knowledge of statistics and genetics is also useful in the context of the M.D.,C.M. curriculum.
- Acceptable alternatives to the basic science prerequisites include: Advanced Levels (UK System), IBO Courses (Higher Level), French Baccalaureate *année Terminale, Série S or spécialisation* courses, and AP results (College Board, Inc.). See mcgill.ca/transferecredit/prospective for accepted equivalencies.

8.4.3 MCAT (Medical College Admission Test)

MCAT Compulsory

Any applicant whose basis-of-admission degree was awarded from a non-Canadian university is required to write and submit scores from the MCAT; submission of all MCAT results is compulsory. EXCEPTIONS:

- International Medical Graduates applying for placement with Advanced Standing
- International Medical Graduates applying for admission into the first year of the M.D.,C.M. program who are submitting a Medical Council of Canada Qualifying Exam-Part I (MCCQE1) score

MCAT Not Required

All applicants who have completed their basis-of-admission degree at a Canadian university are not required to submit an MCAT score. Applicants to the Med-P Qualifying year are also not required to submit MCAT scores. MCAT scores released to McGill by these candidates are not weighted in the selection process.

8.4.3.1 About the MCAT

Information regarding the MCAT, including testing dates, locations, and preparation materials can be obtained from the

8.4.4 Requirements for Med-P

Applicants must be recognized residents of Quebec and meet the following conditions:

1. must not have been enrolled in a university program;
2. must, from the onset of collegial studies (*1), be enrolled in only one of these following programs:
 - Science;
 - combined Science program (200.11, 200.12, 200.13, 200.15, 200.16);
 - Science + International Baccalaureate (200.10); or
 - Arts & Science (700.A0).
3. must be in the final year and obtain (by July 31 of the entering year) a Diploma of Collegial Studies (DEC) in one of the stated programs;
4. must not have extended the length of their program for reasons of personal choice (*2);
5. must have a minimum of six courses (13.33 credits) in each regular semester (*2);
6. must not have taken any of the prerequisite courses listed below in a context outside of a regular semester (*2);
7. applicants are responsible for ensuring that they have completed the following courses and successfully achieved the competency codes:

For the Science (200.xx) program:

- Biology: NYA (00UK), General Biology II (00XU);
- Chemistry: NYA (00UL), NYB (00UM), Organic Chemistry I (00XV);
- Mathematics: NYA (00UN), NYB (00UP);
- Physics: NYA (00UR), NYB (00US), NYC (00UT).

Students in the *Sciences, Lettres et Arts (700.A0)* program must obtain (along with all other program requirements) Biology: 01Y5 and 01YJ; Chemistry: 01Y6 and 01YH; Math: 01Y1, 01Y2 and 01Y4; Physics 01Y7 and either 01YF or 01YG

Students in the *IB-DEC (200.10)* program must complete (along with all other program requirements) a minimum of two courses (5.33 credits) in Biology, three courses (8.00 credits) in Chemistry, including Organic Chemistry, two courses (5.33 credits) in Mathematics and one course (2.67 credits) in Physics in order for their application to be considered. Preference is given to those who most closely adhere to the list of prerequisites above. Those admitted into the program who are missing a physics prerequisite will be asked to complete it during the preparatory year.

For more information on these codes and their requirements, please contact your CEGEP academic advising office.

Students of the French Baccalaureate system in Quebec only:

The Faculty accepts applicants from *Collège international Marie de France* and *Collège Stanislas* as part of this category under the following conditions:

1. must be a recognized resident of Quebec;
2. must be in the final year (*année terminale*) of the program.
3. must have attended the institution, at minimum, for *1^{ère} année* and *année terminale* in full, in Quebec;
4. must not have extended the length of their program for reasons of personal choice (*1);
5. must complete all “complements Québécois” for the cegep-equivalent prerequisites listed above
6. must have an R-score along with course attestation (provided by school).



Notes:

(*1) Exception made for students entering a remedial program before their first DEC program, or who were enrolled in a different pre-university DEC program for up to 1 year before entering a Science DEC program.

(*2) Students enrolled in a *Sport-études* program may be exempted from these conditions. Such applicants must submit a special form (available from mcgill.ca/medadmissions/applu8.938.210h/e_Qu)

Submit a written request (email) to the Faculty of Medicine and Health Sciences' admissions office. This request must be received no later than five working days after the last interview day in the applicant's respective category.

This request must advance one of the two grounds for reconsideration listed above; an applicant's disagreement with the outcome of the decision is not a

8.6 Requirements for Registration and Matriculation



Note: Applicants to the Faculty of Medicine and Health Sciences may be asked to comply with some of the requirements presented below as part of the application process prior to registration.

8.6.1 Basic Cardiac Life Support

Students registering in the M.D.,C.M. program are required to provide, by July 31 of the year in which they commence undergraduate medical education, proof of certification in cardiopulmonary resuscitation (CPR), level C or C+, and automated external defibrillation (AED) training. Certification must be valid at the start of the undergraduate medical education, and students are responsible for maintaining their certification throughout the program. Certification must be granted, or fully recognized, by one of the following organizations:

- [Heart and Stroke Foundation of Canada](#)
- [Canadian Red Cross](#)
- [St. John Ambulance](#)
- [American Heart Association](#)
- [American Red Cross](#)

8.6.2 Infectious Diseases and Infection Control

Immunization

To assure that students are not exposed to undue health risks and do not pose a risk to their patients, students must provide evidence of appropriate vaccination by July 31 of the year in which they commence undergraduate medical education, according to the information provided by [McGill's Rossy Student Wellness Hub](#).

- All students must be immunized against Hepatitis B and all students must have Hepatitis B titres (HbsAb) measured. Non-converters will be tested for Hepatitis B surface antigen (HbsAg). Non-converters will be offered counseling by the Student Wellness Hub. Students who test positive for the surface

Students who are seropositive for Hepatitis B and/or C or HIV and/or any other blood-borne agent have a professional obligation to notify the [Associate Dean of UGME](#) upon entry into the program. Specific measures will be undertaken by the UGME office. Rotations may be modified for these students due to these circumstances.

The student will be referred to the *Service d'évaluation des risques de transmission d'infections hématogènes* (SERTIH). Modifications to clinical rotations may be made. The student will be assisted in acquiring appropriate health care. Specific career counselling will be given. Students will be advised not to select residency programs where patient safety would be put at risk. This may limit the residency programs to which the student may apply.

8.6.4 Registration with the CMQ

All students studying medicine in a Quebec university are required by law to register with the *Collège des médecins du Québec* (CMQ) by September 30 of their first year of study. Electronic registration is required. All students enrolled in the M.D.,C.M. program will receive an email from the CMQ office to confirm their registration. A student who fails to comply with this requirement or who has their registration withdrawn will not be permitted to continue in the program. For details please refer to www.cmq.org.

8.6.5 Security (Criminal Record) Check

As stated above, students registering in the Faculty of Medicine and Health Sciences Undergraduate Medical Education programs will be expected to register with the *Collège des médecins du Québec* (CMQ) by September 30 of the first year of their medical studies. This includes an **official self-declaration** of any security/criminal dossier. The Faculty of Medicine and Health Sciences will request the withdrawal from the undergraduate medical education program of any student who does not meet the registration conditions of the CMQ.



Note: You may also be required by the hospitals affiliated with some Canadian and or American universities to produce a criminal background check when applying for clinical elective rotations.

8.6.6 Language Proficiency

The primary language of instruction in the M.D.,C.M. program is English at the Montreal Campus, and French at Campus Outaouais. Required clinical placements in Montreal are in francophone or bilingual settings (in Greater Montreal or in our larger clinical network, including rural Quebec settings), and in francophone settings at Campus Outaouais and with their associated partner sites.

Faculty of Medicine and Health Sciences Statement on Language Proficiency

French is the official language in Quebec and thus health and social services administered by the Ministry of Health are bound by the Charter of the French Language. In order to provide essential services and safe care to all patients within a Quebec-based healthcare setting, students must achieve an appropriate level of French before entering their respective health profession program's clinical affiliations where they integrate their knowledge, skills and attitudes. This will ensure all students have every opportunity to maximize their learning with all patients, families and fellow health care workers they meet during their studies at McGill University.

Potential applicants may wonder whether their current ability in French language proficiency will allow them to meet the linguistic demands of studying in a health profession program at McGill University. Some of the clinical communication competencies learners will exercise during their studies include: listening to a client; responding to questions by patients or their family and asking questions to learn more; explaining a condition in formal and informal terms so a client/patient can understand; speaking with other healthcare professionals (such as doctors, nurses, physiotherapists) about cases. These conversations often occur in a fast-paced or high-stakes environment in-person or on the phone, and may require writing notes in a file that are clear to other professionals.

To assist potential applicants to our health professions programs in the Faculty of Medicine and Health Sciences, we are suggesting a free language self-assessment questionnaire developed by the Canadian Language Benchmark as a self-assessment tool: . The 23 354.115 Tma0rognencm99 0 0 1 172.323 354.115 Tm(

Other accepted test scores

Please note that some test scores are only valid for a certain number of years. Refer to your statement of results for more information. Only valid test scores or certifications will be accepted.

- Diplôme d'études en langue française/Diplôme approfondi de langue française (DELF/DALF): (B2 for Montreal, C1 for Outaouais)
- McGill Certificate of Proficiency in French (SCS) or French for Professional Communication (SCS): Certificate awarded
- Test de connaissance du Français (TCF) family of tests: Test de connaissance de Français Québec (TCFQ) T

- tuning forks (128Hz)
- BP cuff
- ocular protection - personal goggles permitted if they meet published Health Canada Standards (or CSA-Z94.3)

The following laboratory supplies are also required:

- a white long lab coat
- anatomy dissecting kit/2 persons (not biology kit)
- one box of gloves
- one pair of safety glasses/person

Students are also responsible for purchasing two white lab jackets for the first year via the Undergraduate Medical Education Office. Information about this and the “White Coat Ceremony” will be circulated at the beginning of the first year. The Ceremony is held in September or October of the second year.

It is recommended that students have a smart phone or pager during TCP (Transition to Clinical Practice) and Clerkship so that their clinical teams can reach them.

8.7 Registration Procedures

8.7.1 Program Registration

New Students

All students entering the four-year M.D.,C.M. program must initiate registration on the web via [Minerva](#). The Minerva registration period for newly admitted Medicine students begins in early June and students must be registered prior to mandatory Orientation in mid-August. Specific dates will be provided by the UGME office by email. For all dates related to the academic year, consult [Important Dates](#) search tool.

In order for the official registration in the M.D.,C.M. program at McGill to be confirmed, you must also present yourself, with proper documentation, at the **Faculty Registration and Orientation held from August 16 to August 18, 2022. Attendance is mandatory.** For more details, consult mcgill.ca/ugme/mdcm-curriculum-joint-programs.

Failure to attend orientation will result in cancellation of your offer of admission to the program and registration.

For further information, consult [Minerva](#) and the registration information emailed to incoming students in June, as well as mcgill.ca/importantdates.

Registration for courses outside the program

M.D., C.M. students are permitted to register for language courses, or to courses in a joint program under certain circumstances. Consult the UGME registration policy for information: mcgill.ca/ugme/policies-procedures/ugme-registration-policy.

Returning Students

All returning students must register on the web by adding the courses per term and year on Minerva. Returning students must register by the deadline specified or pay the appropriate late registration fees.

For further information, consult [Minerva](#) and the registration information emailed to returning students in early April, as well as mcgill.ca/importantdates.

8.7.2 Leaves of Absence



Note: This section is subject to change. For the complete Absences and Leaves Policy, students should refer to mcgill.ca/ugme/academic-policies/absences-and-leaves.

Leaves of absence during medical studies are generally discouraged, and the few exceptions are granted only for reasons of health or family crises. Requests for leave must be discussed with the Associate Dean (Undergraduate Medical Education) or Assistant Dean (Student Affairs). The student must submit documentation to support the leave request (e.g., medical note, description of professional development plan, etc.) to the UGME Office. The M.D.,C.M. program reserves the right to impose a limitation on the number of leaves, as well as the total duration. The M.D.,C.M. program must be completed within seven (7) years (see [Promotions Regulations](#), point #5 of section C.).

A leave for *medical reasons* may be granted for up to one year. Should the student request a prolongation beyond one year, the M.D.,C.M. program reserves the right to require a second opinion from a Faculty-designated physician. A student returning from a medical leave must provide documentation from the treating physician/professional counsellor attesting to the student's readiness to resume studies.

Leaves of Absence and other accommodations for pregnant students as well as student parents are governed by the general [Absences and Leaves Policy](#) but pregnant students should also consult the [Accommodation of Pregnancy Pregnancy-Related Conditions and/or Parenting Policy](#).

Once the leave has been approved by the Associate Dean (Undergraduate Medical Education) or Assistant Dean (Student Affairs), or the Student Promotions Assistant De

When a student has been approved for a leave of four weeks or longer, and said leave affects the student's graduation date, a narrative comment will be added to the student's record (MSPR) stating the student has been granted a leave of absence. Absences that prevent a student from completing a university term will also be indicated on the university transcript. The reason for the leave will not be stated.

8.7.3 Requirements for the Degree of M.D.,C.M.

- 1.** Every candidate for the degree of Doctor of Medicine and Master of Surgery (M.D.,C.M.) in this University must be at least twenty years of age.
- 2.** Candidates must have fulfilled all the requirements for entrance to the F

Website: www.cpsnb.org

College of Physicians and Surgeons of Newfoundland and Labrador

120 Torbay Road, Suite W100

St. John's NL A1A 2G8

Canada

Telephone: 709-726-8546

Fax: 709-726-4725

Email: cpsnl@cpsnl.ca

Website: www.cpsnl.ca

College of Physicians and Surgeons of Nova Scotia

Suite 5005-7071 Bayers Road

Halifax NS B3L 2C2

Canada

Office Address: Suite 400-175 Western Parkway

Bedford, NS B4B 0V1

Telephone: 902-422-5823 (Main)

Toll-Free: 1-877- 282-7767

Fax: 902-422-7476

Email: info@cpsns.ns.ca

Website: www.cpsns.ns.ca

College of Physicians and Surgeons of Ontario

80 College Street

Toronto ON M5G 2E2

Canada

Telephone: 416-967-2600 (General Inquiries)

Toll-Free: 1-800-268-7096 ext. 603

Fax: 416-961-3330

Email: feedback@cpso.on.ca

Website: www.cpso.on.ca

The College of Physicians and Surgeons of Prince Edward Island

14 Paramount Drive

Charlottetown PE C1E 0C7

Canada

Telephone: 902-566-3861

Fax: 902-566-3986

Website: cpspei.ca

Collège des médecins du Québec

1250 René-Lévesque Boulevard West, Office 3500

Montreal QC H3B 0G2

Canada

Telephone: 514-933-4441

Toll-Free: 1-888-633-3246 or 1-888-MEDECIN

Fax: 514-933-3112

Email: info@cmq.org

Website: www.cmq.org

College of Physicians and Surgeons of Saskatchewan

101 - 2174 Airport Driv

Ottawa ON K1G 5L5
Canada
Telephone: 613-521-6012
Email: service@mcc.ca

For inquiries on Medical Council of Canada (MCC) examinations
Telephone: 613-520-2240
Fax: 613-248-5234
Email: service@mcc.ca
Website: mcc.ca

United States Medical Licensing Examination Secretariat
3750 Market Street
Philadelphia PA 19104-3102
USA
Telephone: 215-590-9700
Fax: 215-590-9460
Email: webmail@nbme.org
Website: www.usmle.org

8.8 Medical Curriculum

The following refers to the four-year undergraduate medical curriculum leading to the M.D.,C.M. (*Medicinae Doctorem et Chirurgiae Magistrum*) degree.

8.8.1 Curriculum Renewal – Governance

Serving society's needs is of the utmost importance and requires training graduates who are well-equipped to assume leadership roles in their communities. This entails keeping a constant, watchful eye toward advancing the M.D.,C.M. program curriculum and continuous fine-tuning to ensure it remains in step with the health sciences environment of the 21st century in Quebec, nationally, and globally, including rapid advances in scientific knowledge. The undergraduate medical education program is overseen by the *M.D.,C.M. Program Committee*. This committee makes and enacts policies relevant to the design and delivery of the M.D.,C.M. program. It ensures that the program is aligned with the Faculty's mission statement and that it complies with relevant accreditation standards. It is responsible for the design, management, integration, evaluation, and continual improvement of the medical curriculum. The Chair of the committee is the Associate Dean, Undergraduate Medical Education (UGME). There is wide student representation within all educational committees, whether at the M.D.,C.M. Program Committee, its subcommittees, or its discipline subcommittee levels.

For more information on M.D.,C.M. program governance, see mcgill.ca/ugme/mdcm-curriculum-joint-programs/ugme-governance.

8.8.2 Assessment System

The Assessment System is multifaceted and under constant review by the Faculty. The Faculty reserves the right to change any of these rules and regulations at any time, although in general such changes will not come into effect in the middle of a Promotion Period. For complete Faculty regulations, reference should be made to the Faculty of Medicine and Health Sciences' Undergraduate Medical Education *Academic Policies*.

The M.D.,C.M. program functions on a pass/fail system. The student's final grade for each course is recorded on the University transcript as <S> *satisfactory* (pass) or <U> *unsatisfactory* (fail).

Numeric grades, where recorded, are used for internal purposes (e.g., scholarships, awards and prizes, and identifying and tracking students in academic difficulty) and to provide feedback to the student on his/her progress through the program.

For the purposes of assessment, the four-year curriculum is broken down into promotion periods (subject to change; see below).

8.8.2.1 Promotion Periods

For details regarding promotion regulations, please refer to mcgill.ca/ugme/policies-procedures/promotion-regulations.

Please refer to the appropriate edition of the Health Sciences eCalendar at mcgill.ca/students/courses/calendars for further details.

8.8.2.2 Student Promotions

The *Student Promotions Committee (SPC)* is a decision-making body, mandated by the Associate Dean (Undergraduate Medical Education) to interpret and apply the program's promotion regulations, duly established by the M.D.,C.M. Program Committee.

The mandate of the SPC is to review academic progress of students enrolled in the M.D.,C.M. program. The Committee also reviews academic progress of students enrolled in the Dentistry (D.M.D.) program during the Fundamentals of Medicine and Dentistry (FMD) component of the curriculum. It has final authority to decide on the suitability of each medical student for the practice of medicine; these decisions are not subject to the approval of the M.D.,C.M. Program Committee. In its review of student files, the Committee considers all issues related to academic performance, including professionalism. Students should refer to the *Promotion Regulations Policy*.

8.8.2.3 Failure of Supplemental Activities

A failure of a supplemental activity in a Promotion Period will result in the student being required to repeat the Promotion Period or to be dismissed from the program as determined by the SPC. A student may not repeat more than one Promotion Period in the curriculum. **Failure in any course during a repeat Promotion Period will result in immediate dismissal from the program.** For more information, students should refer to the mcgill.ca/ugme/policies-procedures/promotion-regulations.

8.8.2.3.1 Notice of Failures

It is the student's responsibility to be available for notification of a failing grade. If a student is unable to be located after a reasonable effort by the Dean's office, the consequences will be borne fully by the student.

8.8.3 Program Overview

Due to curriculum changes, program components and courses may be revised. Revisions will be posted in the learning management system.

The current M.D.,C.M. curriculum, implemented in fall 2013, marking one of the largest renewals in Faculty history, is a product of five years of reflection, multidisciplinary consultation, planning, and development. Rooted in the principle of "The Patient at Heart and Science in Hand," the curriculum fully recognizes the importance of family medicine in addressing current needs, while simultaneously providing a program that is firmly rooted in science. Also significant is interdisciplinary learning, as well as offering a longitudinal experience where the major themes are learned in tandem rather than in isolation.

F

