



**Faculty of Medicine**  
**Programs, Courses and University Regulations**  
**2015-2016**



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

**1 .** McGill University reserves the right to mak

## ***Publication Information***

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# 1 **Medicine**

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## 1.1 **Location**

### **Faculty of Medicine**

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

### **Educational Services**

## 2. Research

The Faculty's research programs will contribute to the understanding of the basic mechanisms of health and disease and develop and evaluate clinical interventions to address health care needs. The research will emphasize collaboration between basic and clinical sciences, and between members of our Faculty and researchers in other disciplines. The Faculty will encourage and support outstanding research trainees and research training programs. Our research will encompass the scholarship of discovery and integration.

## 3. Service

Members and trainees of the Faculty will provide exemplary, scientifically based health services to the McGill target population and will participate actively in national and international professional organizations. Our stance will encompass a scholarship of application, the aim of which is to ensure that available and new knowledge are used to improve the care and well-being of society.

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## 2 Administrative Officers

### Faculty

David Eidelman; M.D.,C.M.(McG.), FRCPC, FACP	<b>Vice-Principal (Health Affairs) and Dean of the Faculty of Medicine</b>
Samuel Benaroya; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)	<b>Associate Vice-Principal (Health Affairs) and Associate Dean (Inter-Hospital Affairs)</b>
Pascale Mongrain; CPA-CA, Lawyer	<b>Executive Director</b>
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TBA	<b>Assistant Dean (Admissions)</b>
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Helene Rousseau; M.D.(Montr.), C.F.P.C., F.C.F.P.	<b>Assistant Dean (Rural Education Program)</b>
Jim Gourdon; D.V.M.(Montr.)	<b>Director, McIntyre Animal Resources Centre</b>
Sara Holder; B.A.(Vassar), M.L.I.S.(Dominican)	<b>Head Librarian, Schulich and Life Sciences Libraries</b>

designation, Doctor of Medicine and Master of Surgery (M.D.,C.M.), and in 1872 it was conferred upon the Faculty's most illustrious graduate, William Osler. Osler served on the Faculty from 1874 to 1884 before going on to the University of Pennsylvania, Johns Hopkins University, and Oxford University. He was instrumental in developing the former Life Sciences Library, which had its origin in the Montreal Medical Institution. He left to McGill his extensive collection of books devoted to the history of medicine, today housed in the Osler Library of the History of Medicine.

The land occupied by the University

put a focus on developing philanthropy among medical students and in exploring various areas in which the experience may be enriched to develop students into more well-rounded physicians.

Meetings, charity hours, and activities are held throughout the academic year. In the fall, the Osler Lecture is given by a distinguished guest. It is followed by the Osler Banquet, a formal dinner in the grand tradition of the Society. Our website is <http://mcgillmed.com/clubs/mcgill-osler-society>.

### **McGill Journal of Medicine**

The *McGill Journal of Medicine* (MJM) is a scholarly scientific journal providing an international forum for university students to publish original research, case reports, reviews, and expository essays in any field of medicine. Established in May 1994, MJM is published biannually and produced entirely by students in the Faculty of Medicine and in Graduate and Postdoctoral Studies at McGill. The MJM is peer-reviewed, available online and open-access. The MJM seeks to advance scientific knowledge by publishing the results of scientific research as well as commentaries about relevant issues pertaining to science and medicine.

Based on the principles of student excellence and education, MJM is unique among existing medical journals. It is the only student-run scientific journal devoted to publishing the original research of students exclusively, on an international scale. MJM has established a national and international base of authors. Please see reviews of MJM in the *New England Journal of Medicine* (336:885;1997) and *JAMA* (278:1461-2;1997) and visit online at [www.medicine.mcgill.ca/mjm](http://www.medicine.mcgill.ca/mjm).

An updated list of MSS' societies and clubs can be found at the following link: [www.mcgillmed.com/clubs](http://www.mcgillmed.com/clubs).

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## **5 Health Sciences: General Information**

This section contains important details specific to the McGill Health Sciences, as an addendum to information found in the [University Regulations and Resources \(Undergraduate\)](#). You will find information related to such topics as: language policies, vaccination/immunization requirements, immigration information, and information on the various facilities available.

Further regulations and information may be specified by your individual faculty or school.

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### **5.1 Admission**

Admission requirements and applications procedures are outlined in the individual faculty and school sections; refer to [Faculties & Schools](#) to find yours.

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### **5.2 Student Services and Regulations**

#### **5.2.1 Student Advising**

The Mission Statement of the University expresses the commitment to offer students “the best education available”. An essential component of this is the advising process. The active participation of students in the advising process is essential in order for them to access the full range of academic opportunities during their studies. They must be proactive in seeking meetings with advisers, professors, counsellors, and such to ensure that they receive the advice they need to meet their academic goals. It is their responsibility to inform themselves about the rules and regulations of the University faculty, and their program. With the students' cooperation, all advisers and counsellors will work together to help students throughout their program.

Students are responsible for the correctness and completeness of their records. While faculty advisers and staff are available to assist, it is the student's responsibility to ensure that their records are accurate and up-to-date.



## 5.2.2 Language Policy

Students should be aware that most of the clinical affiliation placements undertaken in the province of Quebec, including those in Greater Montreal, require proficiency in both English and French.

It is recommended that students who lack proficiency in English or French avail themselves of the opportunity to take an English or French as a second language course, prior to, or early in their program of studies. Please refer to [University Regulations and Resources](#) > *Undergraduate* > *General Policies and Information* > : [Language Policy](#) for more information.



**Note for Medicine and Dentistry:** M.D.,C.M. and D.M.D. students must also refer to [www.mcgill.ca/ugme/resources/language-courses](http://www.mcgill.ca/ugme/resources/language-courses). The language of instruction at McGill University is English; medical students are expected to have a working knowledge of the English language (comprehension, spoken, and written). All lectures & small groups are conducted in English.

Medical students are expected to be functional in French by the time the clinical rotations begin (January of the second year of the M.D.,C.M. program). Students are in contact with francophone patients in the teaching hospitals and may be assigned to francophone training sites for their clinical rotations.

### 5.2.2.1 Proof of Proficiency in English

Students who are seropositive for Hepatitis B, C, HIV, and/or any other blood-borne pathogens have an obligation to notify the Dean or Director of the school as soon as they know.

**Dentistry - Purchases of Equipment and Materials Fee**

The cost of these purchases (including GST and QST) in 2014–2015 was as follows:

First Year (starting 2014-2015)	\$343.54
Second Year	\$17,808.67
Third Year	\$3,796.00
Fourth Year	\$2,614.53

You will receive an e-bill in August with the exact breakdown of costs related to your equipment purchase.

**Dental Students' Society New Facility Contribution**

Years 1 through 4**	\$5,000
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\*\* The Dental Students' Society has voted that as of September 2014, incoming dental students will pay \$5000 per year throughout the four years of their

### Physical and Occupational Therapy Fees

Books and Other Equipment	\$1,000
Laboratory Materials	\$59.96

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## 5.4 Immigration Information

**Unless** their studies at McGill will be completed in less than six (6) months, all students, other than Canadian citizens and 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 Acceptance from McGill University.

Details on Canadian immigration regulations may be obtained from the closest Canadian Visa Service (CVS) of

1266 Pine Avenue West, Montreal, QC H3G 1A8

Built in 1912, this heritage building was designed by Hogle and Davis architectural firm. In 1946 it was acquired by McGill and formerly housed the School of Communication Sciences and Disorders.

**Charles Meredith House**

1130 Pine Avenue West, Montreal, QC H3A 1A3





for McGill's Faculty of Medicine and is home to several of the University's programs, including the McGill AIDS Centre, the McGill Centre for Translational Research in Cancer, the McGill Head and Neck Surgery and Oncology Program, and the McGill Menopause Clinic. The hospital's Lady Davis Institute is acknowledged as a world leader in many fields of research, including cancer (the Terry Fox Molecular Oncology Group), aging (the Bloomfield Centre for Studies in Aging), epidemiology (the Centre for Clinical Epidemiology and Community Studies), nursing (the Centre for Nursing Research), AIDS, cardiovascular disease, genetics, emergency medicine, nephrology, and the psychosocial aspects of illness. The outstanding quality of this work has often enabled the Lady Davis Institute to attract more funding per researcher than any other hospital-affiliated research institution in Quebec.

More information is available at [www.jgh.ca](http://www.jgh.ca).

**St. Mary's Hospital Center** (*Centre intégré universitaire de santé et services Sociaux (CIUSSS) de l'Ouest-de-l'Île-de-Montréal*)

3830 Lacombe Avenue  
Montreal QC H3T 1M5  
Telephone: 514-345-3511  
Website: [www.smhc.qc.ca](http://www.smhc.qc.ca)

St. Mary's Hospital Center (SMHC) is an acute-care specialized McGill University affiliated teaching hospital with 271 adult beds. Its official designation as a university affiliated teaching hospital or a CHAU (*Centre hospitalier affilié universitaire*) further reinforces its commitment and ability to deliver high quality health care while playing a leading role in the areas of teaching and research. It is responsible for the training of a large cohort of undergraduate and post-graduate students in Medicine and the allied health disciplines.

Over 4,300 babies are delivered annually at St. Mary's, which is the first hospital in Montreal to have received the World Health Organization's (WHO) international recognition of Baby Friendly Hospital Status by the Quebec ministry of health. There is a progressive and active Family Medicine Centre recognized for its teaching. The Hospital also provides numerous highly specialized services such as renal dialysis, oncology, geriatric assessment and psycho-geriatric, nuclear medicine, C.T. scanning services, as well as MRI exams. There are more than 120,000 out-patient clinic visits, 10,000 procedures through the surgical day center, and over 11,000 patient admissions, in addition to ambulatory care visits, annually.

The Hospital is noted for its devotion to patients, motivation toward the achievement of excellence, and compassionate care. The laboratory department is the only hospital lab in the province currently certified by the College of American Pathologists since 1995. SMHC is also proud to be Canada's first hospital facility to receive the EcoLogo Program's Environmental Stewardship Award, presented to organizations in recognition of their environmentally friendly actions.

Visit the St. Mary's Hospital Center website at [www.smhc.qc.ca](http://www.smhc.qc.ca) to learn more.

**Douglas Mental Health University Institute** (*Centre intégré universitaire de santé et services Sociaux (CIUSSS) de l'Ouest-de-l'Île-de-Montréal*)

6875 LaSalle Boulevard  
Montreal QC H4H 1R3  
Telephone: 514-761-6131  
Website: [www.douglas.qc.ca](http://www.douglas.qc.ca)

Founded in 1881, the Douglas Mental Health University Institute has a triple mission of care, research, and teaching. A member of the McGill Integrated University Health Network (RUIS McGill) and affiliated with the World Health Organization, it offers hospitalization and extensive out-patient ultraspecialized services.

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 over 70 scientists and clinical researchers and around 200 university students. This team is devoted to making better sense of the causes of mental disorders-whether genetic, environmental, cultural or otolrvid to m studistsp Centregramrs-od(xams. )Tj1 0 0 1 1 67.52 265.6Also 1881, the Douglas Insti Tm(Rese(the Ce and is homized McGill Uni)Tj1 050 1 680 0 1 RG/





research that will result in cures for chronic pain. Through its own activities and international collaborations, the Centre focuses on new discoveries and their clinical applications that will improve the prevention and treatment of chronic pain.

#### **Artificial Cells and Organs Research Centre**

3655 Promenade Sir-William-Osler, Room 1003  
Montreal QC H3G 1Y6  
Telephone: 514-398-3514  
Fax: 514-398-7452  
Website: [www.medicine.mcgill.ca/artcell](http://www.medicine.mcgill.ca/artcell)

This Centre concentrates on interdisciplinary research on the application of artificial cells in medicine and biotechnology. The present research emphasis is on artificial cells, regenerative medicine, nanomedicine, enzyme replacement therapy, biotechnology, blood substitutes based on nanobiotechnology, biomaterials, bioencapsulation of enzymes, cells, micro-organisms, and stem cells, especially artificial cells containing bone marrow stem cells for liver regeneration. The members of this centre come from different specialties in McGill ranging from the basic science Departments of Physiology, Engineering, and Biomedical Engineering to clinical divisions in the McGill teaching hospitals. This Centre has an international network of partners; more details are available on the Artificial Cells and Organs Research Centre [website](#). The Centre Office is in the McIntyre Medical Sciences Building.

#### **Biomedical Ethics Unit**

3647 Peel Street  
Montreal QC H3A 1X1  
Telephone: 514-398-6980  
Fax: 514-398-8349  
Website: [www.mcgill.ca/biomedicalethicsunit](http://www.mcgill.ca/biomedicalethicsunit)

The Biomedical Ethics Unit (BEU) offers graduate courses in bioethics. These include electives for medical students, in-hospital courses, lectures and rounds for residents and other health care workers. The BEU also administers the Master's specialization in Bioethics, which is available to students in the Faculties of Medicine, Law, Religious Studies, and the Department of Philosophy. The program emphasizes the conceptual and practical aspects of bioethics and ordinarily takes two years to complete. Current faculty members have training in philosophy, religious studies, medicine, history, anthropology, sociology, epidemiology, molecular biology, and law. The BEU faculty and trainees are active in a variety of interdisciplinary research areas and have expertise in clinical trials research, genetics, pediatrics, innovative technologies, access to care, public health ethics, health inequalities, biosecurity, anti-aging research, end-of-life care policies, and pharmaceutical development. We also provide in-hospital clinical ethics consultation services and serve on the Clinical and Research Ethics Committees for the McGill teaching and affiliated hospitals.

BEU members and research associates actively collaborate with faculty across McGill, as well as nationally and internationally in research, teaching, and

- Conducts research and scholarly work in health sciences education.
- Ensures that research advances the field of health sciences education and informs educational practice.

The Members of the Centre for Medical Education represent diverse backgrounds and disciplines and are involved in:

- Educational planning, curriculum design and program evaluation.
- Faculty development and educational consultations.
- Research in health professions education.
- Dissemination of educational innovations and research findings.
- Mentorship of students, residents, fellows, and colleagues.

The Centre for Medical Education offers a variety of educational opportunities to students, residents, and faculty. Of interest to medical students is the Medical Education Electives Program, which is a one-month elective for those considering a career in teaching or academic medicine. For more information, visit: [www.mcgill.ca/centreformeded/educationalopps/electives](http://www.mcgill.ca/centreformeded/educationalopps/electives) or contact Dr. Michelle Elizov, Director of the Electives Program.

#### **Centre for Research on Brain, Language and Music**

3640 rue de la Montagne  
 Montreal QC H3G 2A8  
 Telephone: 514-398-6962  
 Fax: 514-398-8123  
 Website: [www.crblm.ca](http://www.crblm.ca)

The Centre for Research on Brain, Language and Music (CRBLM) at McGill University is a Regroupement Stratégique whose mission is to promote research and training in the areas of language and music neuroscience, performance, and development. Participating universities include McGill, Université de Montréal, UQAM, and Concordia. Our infrastructure for language and music research is unparalleled, including research facilities located in the McGill Faculties of Medicine, Science, Arts, and Education, as well as the International Laboratory for Brain and Music Research (BRAMS) located at the Université de Montréal. Our specific objectives include:

1. promoting the scientific study of language and music neuroscience, performance, and development;
2. stimulating interdisciplinary and cross-domain collaboration among researchers on basic and applied problems in language and music;
3. fostering innovative research training for graduate and postdoctoral students;
4. disseminating research findings to clinical and educational end-users;
5. forming national and international partnerships.

Our goal is to develop a fundamental theoretical, behavioral, and neuroscientific understanding of the neurobiological, social, and communicative processes of language and music.

#### **Centre for Translational Research in Cancer**

Lady Davis Institute for Medical Research  
 Jewish General Hospital  
 3755 Côte Ste-Catherine, Room E538  
 Montreal QC H3T 1E2  
 Telephone: 514-340-8222 ext. 5418  
 Fax: 514-340-8708  
 Website: [www.mcgill.ca/translational-research-cancer](http://www.mcgill.ca/translational-research-cancer)

The aim of the Centre is to facilitate the translation of the exciting novel findings made in fundamental laboratories into testable hypotheses for evaluation in clinical trials in oncology. There are currently extremely high quality clinical research activities at McGill, and the fundamental investigations of cancer biology by McGill scientists are recognized worldwide. The Centre provides the infrastructure to bring these investigators together in order to synergize their efforts at generating novel and promising translational research. This provides a structured focus for these activities and will accelerate the testing of potential benefits derived from scientific discovery.

The Centre provides core functions to enhance translational research, including a Tissue Bank, Clinical Research Unit, and a Molecular Modeling Program. The unique interaction of clinician-scientists and Ph.D. researchers pro

Telephone: 514-340-7536  
Fax: 514-340-7537  
Website: [www.ladydavis.ca/mcgillaidscentre](http://www.ladydavis.ca/mcgillaidscentre)

The McGill AIDS Centre coordinates, facilitates and promotes teaching, research and treatment activities relating to HIV infection and AIDS at McGill University and its affiliated teaching hospitals. McGill University has been among the foremost institutions in Canada to study and treat HIV infection and AIDS. McGill scientists, researchers, and clinicians have carried out work in every area of this health problem. The Centre firmly believes that the study and treatment of HIV infection and AIDS must be interdisciplinary, and thus the fields of medical science and social science must complement each other. The Centre enhances this work by helping researchers, scientists and clinicians at McGill to carry out the complex research that is needed to understand, prevent and treat HIV infection both in Canada and around the world.

McGill AIDS Centre scientists play an important role through collaboration with their counterparts in developing countries in which HIV is endemic. Our scientists have played lead roles in articulating a need for access to antiretroviral drugs for all in need, regardless of where they live or ability to pay. Educational and training activities will be augmented to ensure there is sufficient manpower for the growing HIV epidemic. The care and treatment of persons who are infected with HIV or who have developed AIDS will be enhanced through coordination of these activities at McGill hospitals and clinics. Furthermore, the Centre will provide a forum for the input and participation by people with HIV infection or with AIDS in this research, teaching, and care.

#### **McGill International TB Centre**

Research Institute of the McGill University Health Centre  
1001 boulevard Décarie, Glen Block E  
Program Mail Drop EM3 3211  
Montreal QC H4A 3J1  
Telephone: 514-934-1934, ext. 42815  
Website: [www.mcgill.ca/tb](http://www.mcgill.ca/tb)

The McGill International TB Centre brings together over 20 investigators with expertise ranging from economics to mouse models, working both at an academic centre and with a number of collaborating groups around the world.

The Centre includes researchers interested in biomedical, clinical, epidemiologic, and social determinants of TB. Additionally, the studies we conduct serve as the basis for both methodologic developments applicable to other diseases (e.g., molecular epidemiology) and substantive investigations that may apply to other categories of diseases (e.g., common themes between mycobacterial diseases and inflammatory bowel disease). Our investigators have a wide range of collaboration, between themselves and with numerous groups outside of McGill, and Canada, for the study of TB and other mycobacterial diseases.

Please contact us for more information about the Centre and its ongoing activities.

#### **McGill University Research Centre for Studies in Aging**

6825 boulevard LaSalle  
Verdun QC H4H 1R3  
Telephone: 514-766-2010  
Website: <http://aging.mcgill.ca>

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. 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, under the leadership of Dr. Serge Gauthier, is focusing on improved therapies, long-term treatment of subjects affected by dementia, and enhancing the quality of life of patients and caregivers.

Prevention, the new major focus of aging research, 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 ([www.ponder.mcgill.ca](http://www.ponder.mcgill.ca)). This program, in close cooperation with the *Douglas Institute* and other research centres in Quebec, will allow community prevention and initiate optimal treatment for affected individuals while providing researchers with important data about possible predictors of dementia.

Further, the MCSA has established a computational infrastructure devoted for teaching neuroimaging in dementia for fellows, graduate, and postdoctoral students. This infrastructure program is under the direction of Dr. Pedro Rosa-Neto, M.D., Ph.D. Finally, research in the field of neuroimaging has been focusing on the early detection of dementia, and AD prevention. Our clinic collaborates with other experts at McGill University using the most advanced and sensitive Magnetic Resonance Imaging (MRI) and Positron Emission Tomography (PET) protocols to evaluate patients with mild cognitive complaints. The PET and MRI technologies, combined with our clinical expertise, allow for early diagnosis and appropriate treatment of the condition causing memory deficits.

#### **Rosalind and Morris Goodman Cancer Research Centre**

1160 Pine Avenue West  
Montreal QC H3A 1A3  
Telephone: 514-398-3535  
Fax: 514-398-6769  
Website: [www.mcgillgcrcc.com](http://www.mcgillgcrcc.com)

The mission of the Rosalind and Morris Goodman Cancer Research Centre is to bring together internationally renowned scientists who are devoted to cancer research and provide them with state-of-the-art resources so that they can fully contribute to the worldwide effort of developing novel approaches for the improvement of the diagnosis, treatment, and management of this disease. Investigators within the Cancer Centre have made significant contributions toward

the molecular understanding of diseases such as cancer which can be exploited to better stratify cancer and facilitate the development of novel therapeutic approaches.

The Goodman Cancer Research Centre provides an internationally recognized training ground for the next generation of investigators who will pursue research in the life sciences and cancer.

The Goodman Cancer Centre plays a key role in reaching out and educating the public on the fundamentals of cancer research and understanding the causes of cancer, its prognosis and treatment.

Further information is available at [section 6.28: Rosalind and Morris Goodman Cancer Research Centre](#).

## 5.5.6 Libraries

Access to all of the McGill University Library branches and to the Library's licensed electronic resources is available to all McGill faculty, staff, and students. Information on locations, opening hours, collections, and services can be found at [www.mcgill.ca/library](http://www.mcgill.ca/library). Several of the library branches are likely to be of particular interest to health sciences users.

### Life Sciences Library

The Life Sciences Library service point, located on the third floor of the McIntyre Medical Sciences Building, provides borrowing access to course reserves materials. McGill faculty, staff, and students can also request materials from other library branches or through the interlibrary loan service (ILL) and pick them up at this service point. A life sciences librarian is available for research assistance during service hours.

McIntyre Medical Building  
3rd floor - 3655 Promenade Sir William Osler  
Montreal QC H3G 1Y6  
Website: [www.mcgill.ca/library/branches/lsl](http://www.mcgill.ca/library/branches/lsl)

The Library's hours vary throughout the year and are available on the website noted above or by telephoning 514-398-4475.

### Osler Library of the History of Medicine

The Osler Library of the History of Medicine is physically and intellectually connected to the Life Sciences Library. The Library 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 collection now totals over 90,000 volumes including older, rare materials as well as current books and periodicals about the history of the health sciences and related areas.

McIntyre Medical Building  
3rd floor - 3655 Promenade Sir William Osler  
Montreal QC H3G 1Y6  
Website: [www.mcgill.ca/library/branches/osler](http://www.mcgill.ca/library/branches/osler)

The Osler Library is open to all who wish to consult its collections and current material is available for loan to all McGill faculty, staff and students. The Library is open on weekdays from 9:00 a.m. to 5:00 p.m. and in July and August is also closed on Fridays.

### Schulich Library

The Schulich Library, which occupies the Macdonald-Stewart Library Building, has an extensive collection of books and journals in the physical sciences, engineering, and life sciences subject areas, including the Wendy Patrick Collection of consumer health titles. Life Sciences liaison librarians have their offices in the Schulich Library and are available for consultation. The Library's hours vary throughout the year and are available on the website noted above or by telephoning 514-398-4769. Faculty members and graduate students in the departments served by the Schulich Library may apply to obtain access to the library after closing hours.

Macdonald-Stewart Library Building  
809 Sherbrooke Street West  
Montreal QC H3A 0C1  
Website: [www.mcgill.ca/library/branches/schulich](http://www.mcgill.ca/library/branches/schulich)



### 6.1.3 Anatomy for Surgeons (Topics in Medical Science Seminar)

A course of practical anatomy, seminar presentations and clinical anatomical conferences is given during Senior Clerkship Component which supplements the knowledge of human anatomy obtained in the core program. It is especially designed to provide the anatomical basis for surgical practice.

### 6.1.4 Other Courses

The Department offers a range of courses leading to the Liberal Program/Major/Honours B.Sc. in Cell Biology and is well-equipped for graduate research leading to M.Sc. and Ph.D. degrees. See the Faculty of Medicine's *Graduate and Postdoctoral Studies* section and the Faculty of Science's *Undergraduate* section.

### 6.1.5 Anatomy and Cell Biology Faculty

#### Chair

Craig Mandato

#### Emeritus Professors

Gary C. Bennett; B.A., B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

John J.M. Bergeron; B.Sc.(McG.), D.Phil.(Oxf.)

James R. Brawer; B.Sc.(Tufts), Ph.D.(Harv.)

Sandra C. Miller; B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

Dennis G. Osmond; C.M., B.Sc., M.B., Ch.B., D.Sc.(Brist.), M.R.C.S., L.R.C.P., F.R.S.C.

Charles E. Smith; D.D.S., Ph.D.(McG.)

Hershey Warshawsky; B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

#### Professors

Chantal Autexier; B.Sc.(C' dia), Ph.D.(McG.)

Philip Barker; B.Sc.(S. Fraser), Ph.D.(Alta.) (*joint appt. with Neurology and Neurosurgery*)

Khanh Huy Bui; M.Sc.(Chalmers Univ. of Tech.), Ph.D.(ETH Zürich)

Samuel David; Ph.D.(Manit.) (*joint appt. with Neurology and Neurosurgery*)

Louis Hermo; B.A.(Loyola), M.Sc., Ph.D.(McG.)

Timothy Kennedy; B.Sc.(McM.), M.Phil., Ph.D.(Col.) (*joint appt. with Neurology and Neurosurgery*)

Nathalie Lamarche-Vane; B.Sc., Ph.D.(Montr.)

Marc D. McKee; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Dentistry*)

Peter McPherson; B.Sc.(Manit.), Ph.D.(Iowa) (*joint appt. with Neurology and Neurosurgery*)

Carlos R. Morales; D.V.M.(U.N., Argentina), Ph.D.(McG.)

Barry I. Posner; M.D.(Manit.), F.R.C.P.(C) (*joint appt. with Medicine*)

Dieter Reinhardt; M.S.(Kaiserslautern), Ph.D.(Munich) (*joint appt. with Dentistry*)

Alfredo Ribeiro-da-Silva; M.D., Ph.D.(Oporto) (*joint appt. with Pharmacology and Therapeutics*)

Wayne Sossin; S.B.(MIT), Ph.D.(Stan.) (*joint appt. with Neurology and Neurosurgery*)

Stefano Stifani; Ph.D.(Rome), Ph.D.(Alta.) (*joint appt. with Neurology and Neurosurgery*)

Hojatollah Vali; B.Sc., M.Sc., Ph.D.(Munich) (*joint appt. with Earth and Planetary Sciences*)

Dominique Walker; B.Sc., Ph.D.(Geneva) (*joint appt. with Psychiatry*)

#### Associate Professors

Orest W. Blaschuk; B.Sc.(Winn.), M.Sc.(Manit.), Ph.D.(Tor.) (*joint appt. with Surgery*)

Eugene Daniels; M.Sc., Ph.D.(Manit.)

Elaine Davis; B.Sc., M.Sc.(W. Ont.), Ph.D.(McG.)

## **Associate Professors**

Craig Mandato; B.Sc., Ph.D.(Wat.)

John F. Presley; B.A., Ph.D.(T)





### **Associate Professors**

G. Baldini, F. Beique, R. Bondy, D. Bracco, D. Chartrand, F. Donatelli, M. English, P. Fiset, A. Gamsa, A. Gordon, T. Hemmerling, D. Hickey, K. Kardash, S. Kleiman, J. Lavoie, R.J.S. Robinson, T. Schricker, M. Tessler, D. Tran, M. Ware, D. Withington

### **Assistant Professors**

S. Ah-kye, I. Amir, M. Angle, C. Baldry, F. Barry, G. Bertolizio, C. Bozzer, N. Buu, R. Carranza, G. Carvalho, R. Charghi, V. Collard, A. Coté, J.F. Courval, T. Daloze, E. Delabays, H. Elshobary, R. Finlayson, R. Fischer, C. Frigon, G. Fuda, M. Gauthier, M. Germain, C. Goyer, A. Guzzo, N. Hamawy, R. Hasel, R. Hatzakorzian, P. Ingelmo, I. Kaufman, R.C. Khairy, K. Klubien, I. Kocur, V. Koeva, G. Kovarik, V. Kudish, I. Lakheeram, M. Lannes, V. Lash, R. Lattermann, W. Li Pi Shan, M.P. Malenfant-Rancourt, D. Mayrand, M. McHugh, P. McMillan, C. Miron, B. Mistry, M. Moellonhoff, A. Moore, S. Nordstrom, S. Odeh, J-F. Olivier,

- enzyme therapy;
- drug delivery;
- hemoperfusion;
- biotechnology;
- bioengineering;
- and others.

More details can be found at [www.medicine.mcgill.ca/artcell](http://www.medicine.mcgill.ca/artcell).

### 6.3.3 Graduate Courses

Graduate courses are offered in Physiology, Experimental Medicine, and Biomedical Engineering; see the [Faculty of Science](#) and [Faculty of Medicine Graduate and Postdoctoral Studies](#) sections for more information. Electives, summer research, graduate research, and postdoctoral research are offered.

### 6.3.4 Artificial Cells and Organs Research Centre Faculty

#### Director

T.M.S. Chang

#### Professor

S. Prakash

#### Associate Members

P.E. Barre (*Medicine*)

R. Cacere (*Surgery*)

E. Georges (*Biotechnology*)

C. Hoesil (*Chemical Engineering*)

M. Levy (*Medicine*)

D. Nicolau (*Bioengineering*)

P. Ponka (*Medicine*)

D. Shum-Tim (*Surgery*)

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## 6.4 Biochemistry

### 6.4.1 Location

McIntyre Medical Science Building  
3655 Promenade Sir-William-Osler, Room 905  
Montreal QC H3G 1Y6

Telephone: 514-398-1898

Fax: 514-398-7384

Website: [www.mcgill.ca/biochemistry](http://www.mcgill.ca/biochemistry)

### 6.4.2 Core Courses

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

### 6.4.3 Other Courses

The Department offers a range of courses leading to the Liberal Program/Majors/Honours B.Sc. in Biochemistry and is well-equipped for graduate research leading to the M.Sc. and Ph.D. degrees. See the Faculty of Medicine's [Graduate and Postdoctoral Studies](#) section and the Faculty of Science's [Undergraduate](#) section.

#### 6.4.4 Biochemistry Faculty

Chair

### **Assistant Professors**

Uri David Akavia; B.Sc., M.Sc., Ph.D.(Tel Aviv)

Sidong Huang; B.A.(Boston), Ph.D.(Calif.)

Martin Schmeing; B.Sc.(McG.), Ph.D.(Yale)

### **Associate Members**

Gary Brouhard (*Dept. of Biology*)

Edward A. Fon (*Neurology and Neurosurgery*)

Jacques Genest (*Dept. of Medicine*)

Michael Hallett (*McGill Centre for Bioinformatics*)

Robert S. Kiss (*Dept. of Medicine*)

Gergely Lukacs (*Dept. of Physiology*)

Vassilios Papadopoulos (*Dept. of Medicine*)

Janusz Rak (*Dept. of Medicine*)

### 6.5.2 Electives

The Department provides a four-week elective for medical students. For more information, see the [Electives Catalogue](#).

### 6.5.3 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 Biomedical Engineering.

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

### 6.5.4 Biomedical Engineering Faculty

#### Chair

R.E. Kearney

#### Emeritus Professor

T.M.S. Chang; B.Sc., M.D.,C.M., Ph.D.(McG.), F.R.C.P.(C), F.R.S.(C) (*joint appt. with Physiology*)

#### Professors

D.L. Collins; B.Sc., M.Eng., Ph.D.(McG.) (*joint appt. with Neurology and Neurosurgery*)

A.C. Evans; B.Sc.(Liv.), M.Sc.(Sur.), Ph.D.(Leeds) (*joint appt. with Neurology and Neurosurgery*)

H.L. Galiana; B.Eng., M.Eng., Ph.D.(McG.)

R.E. Kearney; B.Eng., M.Eng., Ph.D.(McG.)

S. Prakash; B.Sc.(Hon.), M.Sc., M.Tech.(BHU), Ph.D.(McG.)

M. Tabrizian; B.Sc.(Iran), M.Sc., Ph.D.(PMC-France), M.B.A.(HEC) (*joint appt. with Dentistry*)

#### Associate Professors

W.R.J. Funnell; B.Eng., M.Eng., Ph.D.(McG.) (*joint appt. with Otolaryngology*)

D. Juncker; Dipl., Ph.D.(Neuch-Switzerland)

#### Associate Members

S. Baillet (*Neurology and Neurosurgery*)

C. Baker (*Ophthalmology*)

F. Barthelat (*Mechanical Engineering*)

M. Chakravarty (*Psychiatry*)

K. Cullen (*Physiology*)

A. Ehrlicher (*Bioengineering*)

J. Gotman (*Neurology and Neurosurgery*)

D. Guitton (*Neurology and Neurosurgery*)

A. Hendricks (*Bioengineering*)

A. Kamen (*Bioengineering*)

A. Katsarkas (*Otolaryngology*)

J. Kinsella (*Bioengineering*)

A.M. Lauzon (*Medicine*)

R. Leask (*Chemical Engineering*)

N. Li (*Communications and Science*)

T. Milner (*Kinesiology and Physical Education*)

G. Mitsis (*Bioengineering*)

## Associate Members

L. Mongeau (*Mechanical Engineering*)

R. Mongrain (*Mechanical Engineering*)

C. Moraes (*Chemical Engineering*)

J. Near (*Psychiatry*)

D. Nicolau (*Bioengineering*)

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### Associate Professors

C. Ellis; R.R.T.(VGH), B.A.(St. Mary's), M.A., Ph.D.(Tenn.)

J.R. Fishman; B.A.(Calif., Berk.), Ph.D.(Calif., SF)

J. Kimmelman; B.S.(Duke), Ph.D.(Yale)

N.B. King; B.A.(Penn.), M.A., Ph.D.(Harv.)

### Associate Members

F. Carnevale (*Ingram School of Nursing*)

J. Chambers-Evans (*Bioethics*)

M. Hunt (*School of Physical & Occupational Therapy*)

Y. Joly (*Human Genetics*)

B.M. Knoppers (*Centre of Genomics and Policy*)

M.E. Macdonald (*MQHRG*)

T. Maniatis (*Bioethics*)

M.H. Zawati (*Human Genetics*)

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## 6.7 Communication Sciences and Disorders, School of

### 6.7.1 Location

2001 McGill College Avenue, Suite 800  
Montreal QC H3A 1G1

Telephone: 514-398-4137

Fax: 514-398-8123

Website: [www.mcgill.ca/scsd](http://www.mcgill.ca/scsd)

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

### 6.7.2 Communication Sciences and Disorders Faculty

#### Director and



**Associate Professors**

Laura Gonnerman; B.A.(Boston), M.A.(Middlebury), Ph.D.(USC)

Aparna Nadig; B.A.(Reed), M.S., Ph.D.(Brown)

Karsten Steinhauer; M.Sc., Ph.D.(Dr.rer.nat)(Free Univ., Berlin)

**Assistant Professors**

Meghan Clayards; B.Sc.(Vic., BC), M.A., Ph.D.(Roch.)

Nicole Yee-Key Li; B.Sc., M.Phil.(HK), Ph.D.(Pitt.)

**Assistant Professors (Part-Time)**

Christina Lattermann; Staatlich anerkannte Logopaedin(Westfaelische Wilhelms-Universität, Muenster), M.Sc.(McG.), Ph.D.(Kassel)

Rosalee Shenker; B.Sc.(Syrac.), M.A.(Calif. St.), Ph.D.(McG.)

**Faculty Lecturers**

Kelly Root; B.A.(Ott.), M.Sc.(Dal.)

Sophie Vaillancourt; B.Sc., MOA(Montr.), M.B.A.(McG.)

**Faculty Lecturers (Part-Time)**

Anna Baudier; B.Sc.(Montr.), M.Sc.A.(McG.)

Myrto Brandeker; M.Sc.(Karolinska Inst.)

Liliane Brunetti; B.Sc.(C'dia), M.Cl.Sc.(W. Ont.)

Jesse Burns; B.A.(C'dia), M.Sc.(McG.)

Patricia Coffin; B.A.(PEI), M.Sc.(Dal.)

Ariana Fraid; B.A., M.Sc.A.(McG.)

Kendall Kolne; B.Sc., M.Sc.(McM.)

Suzanne Lalonde; B.A.(Montr.), M.Sc.A.(McG.)

Maia Masuda; B.Mus., M.Sc.A.(McG.)

Tanya Matthews; B.A.(N. Carolina), M.A.(Hampton)

Gina Mills; B.Sc.(Acad.), M.Sc.(Dal.)

Aruna Sudarshan; B.Sc., M.Sc.(Institute of Speech and Hearing, Bangalore)

Lauren Tittley; B.Sc.(McG.), M.Sc.A.(Tor.)

Anne Vogt; B.A.(Tel Aviv), M.Sc.A.(McG.)

**Associate Members**

Eva Kehayia (*Physical and Occupational Therapy*)

Yuriko Oshima-Takane (*Psychology*)

**Adjunct Members**

Howard Chertkow (*Jewish Gen.*)

David McFarland (*Montr.*)

Lucie Menard (*UQAM*)











## Associate Members

*Medicine:* J. Afilalo, A. Barkun, M. Behr, S. Bernatsky, J. Bourbeau, P. Brassard, K. Dasgupta, M. Eisenberg, P. Ernst, K. Filion, M. Goldberg, C. Greenaway, S. Kahn, M. Klein, A. Marelli, N. Mayo, S. Morin, N. Pant Pai, J. Pickering, L. Pilote, E. Rahme, B. Richards, K. Schwartzman, M. Sewitch, I. Shrier, V. Tagalakis, G. Thanassoulis

*Neurology and Neurosurgery:* C. Renoux

*Ob/Gyn:* H. Abenhaim, R. Gagnon, A. Naimi

*Pathology:* B. Case

*Pediatrics:* M. Ben Shoshan, E. Constantin, G. Dougherty, P. Fontela, B. Foster, P.T-S. Lee, M. Zappitelli

*Physical and Occupational Therapy:* S. Ahmed

*Psychiatry:* E. Latimer, A. Malla, N. Schmitz, B. Thombs

*Sociology:* S. Clark

*Surgery:* D. Deckelbaum

## Lecturers

J.P. Courteau, M. Kafka, C. Kom Mogto, C. Paquette, N. Titri, W. Wood

## Adjunct Professors

*Asociación Civil Selva Amazónica Peru:* M. Casapia

*Boehringer Ingelheim GmbH:* D. Bartels

*Caro Research:* J. Caro

*Contex:* J.P. Gauvin

*Direction régionale de la santé publique:* M. Baillargeon, G. Denis, A. Kossowski, R. Lessard, R. Massé, S. Palmieri, S. Perron, M. Roy

*Harvard Univ.:* J. Brownstein

*Health Canada:* S. Weichenthal

*Hôpital Ste. Justine:* M. Henderson

*Independent:* I. Arnold, J. Lemke, M. Schweigert, L. Scott

*INSPQ:* E. Lo, P. Robillard, D. Roy, S. Stock

*Montreal Chest Hospital Centre:* P. Rohan

*Mount Sinai:* M. Baltzan

*Sanexen:* P. Simon

*Shire Inc.:* A. Koutsavlis, P2 Tm(ood)Tj06,9j1 0 5TmD1hco5Tj1 0 0 1 85.44. 137.9tTm(.4 Tm(e Inc 8.1 Tf1 0 0 1dup(ood)Tj0.980. Baltzan)Tj/F2 8.1 Tf1 0 0 1 70.52 30





**Associate Professors**

I. Rohan

E. Rosenberg

I. Shrier

T. Tannenbaum

P. Tellier

A. Towers

B. Unger

M. Ware

**Assistant Professors**

S. Aggarwal, D. Amdursky, W. Aoune-Seghir, W

**Lecturers**

M. Tabah, M.K. Tafler, L. T



### Associate Professors

- T. Pastinen; M.D., Ph.D.(Helsinki)  
I. Ragoussis; Ph.D.(Tübingen)  
L. Russell; B.A., M.D.(Ind.) (*Pediatrics*)  
A. Ryan; Ph.D.(Qu.)  
R. Slim; M.Sc.(Lebanese), M.Sc., Ph.D.(Paris VII)

### Assistant Professors

- L. Beitel; Ph.D.(McG.) (*Biochemistry*)  
D. Buhas; M.D.(Craiova) (*Montreal Children's Hospital*)  
L. Cartier; B.Sc., M.Sc.(McG.)  
G. Chong; Ph.D.(Kansas)  
C. Crist; B.Sc.(Br. Col.), M.Sc., Ph.D.(Tokyo)  
I. De Bie; M.D.(Laval), Ph.D.(McG.) (*Montreal Children's Hospital*)  
J. Fitzpatrick; M.S.(Mich.) (*Pediatrics and Medicine*)  
M. Fujiwara; M.Sc.(Alta.) (*Quantitative Genetics*)  
S. Gravel; Ph.D.(Physics)(Cornell) (*Numerical methods*)  
E. Grundberg; Ph.D.(Uppsala) (*Internal medicine*)  
C. Kleinman; Ph.D.(Montr.) (*Bioinformatics*)  
Y. Riaz Alhosseini; Ph.D.(Heidel.) (*Genome Quebec*)  
A. Ruchon; Ph.D.(Montr.) (*Biomedical Sciences*)  
V. Soleimani; Ph.D.(Ott.) (*Jewish General Hospital*)  
Y. Trakadis; M.D.(Montr.) (*Montreal Children's Hospital*)  
R. Sladek; B.A.Sc., M.D.(Tor.)  
Y. Yamanaka; Ph.D.(Osaka) (*Goodman Cancer Research Centre*)

### Lecturers

- L. Baret (*Medicine*)  
N. Bolduc (*Pediatrics*)  
S. Drury (*Pediatrics*)  
S. Fox (*Medicine*)  
L. Kasprzak (*Medicine*)  
M. Lalous (*Medicine*)  
L. Macrae (*Medicine*)  
N. Palfreeman (*Medicine*)  
L. Palma (*Medicine*)

**Adjunct Professors**

T. Chiu (*Children's Hospital of Eastern Ontario*)  
 M. Cloutier (*Children's Hospital of Eastern Ontario*)  
 E. Creede (*Children's Hospital of Eastern Ontario*)  
 C. Goldsmith (*Children's Hospital of Eastern Ontario*)  
 B. Gottlieb (*Medicine*)  
 V.A. Hastings (*Children's Hospital of Eastern Ontario*)  
 C. Honeywell (*Children's Hospital of Eastern Ontario*)  
 A. Montpetit (*Genome Quebec*)  
 S. Morrison (*Children's Hospital of Eastern Ontario*)  
 J. Ott (*Genome Quebec*)

**Adjunct Member**

D. Vinh; M.D. (*Dept. of Medical Microbiology; Medicine*)

**Associate Members**

*Biochemistry*: P. Gros, D. Thomas  
*Bioethics*: J. Kimmelman  
*Cardiology*: J. Genest  
*Cancer Genetics*: G. Zogopoulos  
*Dentistry*: L. Diatchenko  
*Endocrinology*: C. Polychonakos, B. Richards  
*Epidemiology, Biostatistics and Occupational Health*: C. Greenwood  
*Law*: R. Gold  
*Medicine*: D. Cournoyer, J. Engert, B. Gilfix, C. Haston, G.Hendy, A. Karaplis, R. Koenekoop, A. Peterson, F. Rauch, M. Trifiro  
*Nephrology*: I. Gupta  
*Neurology*: G. Rouleau  
*Obs.-Gyn.*: R. Gagnon, A. Naumova  
*Pathology*: A. Spatz  
*Pediatrics*: G. Bernard, P. Goodyer, N. Jabado, L. Majewska, J. Mitchell  
*Psychiatry*: R. Joober, G. Turecki, C. Ernst  
*Surgery*: P. Roughley

**6.15 Medical Physics Unit****6.15.1 Location**

Medical Physics Unit, DS1-7129  
 McGill University Health Centre – Glen Site  
 Cedars Cancer Centre  
 1001 Décarie Boulevard  
 Montreal QC H4A 3J1

Program enquiries: [margery.knewstubb@mcgill.ca](mailto:margery.knewstubb@mcgill.ca)

Website: [www.mcgill.ca/medphys](http://www.mcgill.ca/medphys)

### **6.15.2 Graduate Program**

The Medical Physics Unit is a teaching and research unit concerned with the application of physics and related sciences in medicine, especially (but not exclusively) in radiation medicine, i.e., radiation oncology

## Adjunct Professor

G.B. Pike; B.Eng.(St. John's), M.Eng., Ph.D.(McG.)

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## 6.16 Medicine

### 6.16.1 Location

Office of the Chair:  
McGill University Health Centre (MUHC)  
1001 Decarie Blvd.  
D5 South Administrative Offices  
Montreal QC H4A 3J1

Website: [www.mcgill.ca/deptmedicine](http://www.mcgill.ca/deptmedicine)

### 6.16.2 Core Courses

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

INDS 302 – Medical Ethics & Health Law - Transition to Clinical Practice

IMED 301 – Internal Medicine - Transition to Clinical Practice

### 6.16.3 Core Clerkship

IMED 401 – Internal Medicine - Core Clerkship

#### Experimental Medicine

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

### 6.16.4 Medicine Faculty

#### Chair

J. Martin

#### Emeritus Professors

E. Alpert, M. Becklake, R. Blostein, G.M. Bray, T.M.S. Chang, S. Freedman, H. Goldsmith, R.D. Guttmann, M. Kaye, R. Levin, N. Macdonald, M. McGregor, P. McLeod, J. Milic-Emili, B. Mount, S. Mulay, B.E. Murphy, C.K. Osterland, L. Pinsky, 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, A. Bateman, G. Batist, N. Beauchemin, M. Behr

## Associate Professors

T. Alcindor, H. Aleyassine, S. Assouline, D. Auger, D. Baran, H. Barkun, P. Barre, S. Bartlett, R. Becker, S. Benaroya, D. Bercovitch, L. Berkson, N. Bernard, S. Bernatsky, R. Billick, L. Bilodeau, A. Bitton, D. Blank, V. Blank, W. Bloom, M. Blostein, D. Boudreau, A.M. Bourgault, P. Brassard, D.J. Briedis, S. Caplan, L. Chalifour, M. Churchill-Smith, A. Cohen, R. Cohen, N. Colman, D. Cournoyer, G. Crelinsten, M. Culty, A. Dascal, D. Da Costa, K. Dasgupta, S. Daskalopoulou, M. Davidman, D. Dawson, M. De Marchie, J.S. Delaney, J. Del Carpio, N. Dendukuri, M. Deschenes, K. Dewar, P. Dobkin, F. Doualla Bell, J.S. Dylewski, M. Elizov, C. Ells, J. Engert, V. Essebag, C. Fallone, M.A. Fitzcharles, E. Fixman, R. Gardiner, W. Gerstein, P. Ghali, N. Giannetti, B. Gilfix, M. Godin, P. Goldberg, S. Gosselin, S. Gottfried, D. Gratton, L. Green, C. Greenaway, W. Gregory, J. Gruber, A. Gursahaney, C. Haston, N. Hilzenrat, I. Hings, A. Hirsch, J. How, T. Huynh, S. Iqbal, T. Jagoe, D. Jayaraman, B. Jean-Claude, M.A. Kapusta, M. Katz, S. Katz, P. Kavan, J. Kimoff, D.G. Kinnear, R. Kiss, L. Knight, M. Kokoeva, A. Kristof, A.-L. Lafontaine, R. Lalonde, J. Landry, P. Laneuville, L. Larose, M. Laughrea, S. Lehoux, S. Lemay, C. Liang, M. Libman, R. Lin, M. Lipman, J.-L. Liu, Y. Longtin, R. Mackler, E. MacNamara, I. Malcolm, R. Mangel, S. Marcovitz, E. Matouk, S. Mayrand, T. McConnell, T.W. Meagher, S. Meltzer, S. Mishkin, J. Morais, S. Morin, D. Morris, A. Moulard, K. Murai, M. Murshed, S. Nattel, M. Newkirk, E. O'Brien, R. Olivenstein, G. Ostiguy, K. Pehr, A. Peterson, J. Pickering, C. Pineau, T. Podymow, J. Portnoy, R. Postuma, J. Prchal, S. Qureshi, M. Rabinovitch, E. Rahme, J.T. Ratner, M. Reed, P. Rene, J.B. Richards, J.A. Rivera Ramirez, C. Rocheleau, C.P. Rose, A. Rosenberg, S. Rousseau, M. Saleh, J. Schulz, A. Schwab, M. Schweitzer, S.K.K. Seah, I. Sebag, C. Seguin, M. Sewitch, J.D. Shannon, D. Sheppard, M. Sherman, P. Siegel, R. Sladek, D. Small, P. Small, M. Smilovitch, S. Solymoss, G. Spurril, D. Stellwagen, D. Stubington, J. Sturgeon, P. Szego, V. Tagalakis, M. Tamilia, H. Tannenbaum, J. Therrien, E. Torban, P. Tousignant, A. Towers, G. Tsoukas, B. Turcotte, B. Unikowsky, M. Vasilevsky, A. Walling, M. Warner, K. Waschke, J. Welch, G. Wild, N. Wolkove, P. Wong, H. Zackon, A. Zidulka, J. Zidulka

## Assistant Professors

S. Abadir, W. Afif, J. Afilalo, J. Agulnik, F. Ahmad Khan, A. Alam, R. Aloyz, Y. Asai, P. Assimakopoulos, A. Baass, Y. Bacher, V. Baffis, C. Baglole, R. Bailey, A. Balbul, D. Banerjee, S. Beaudoin, J.P. Beaudry, Y. Beaudry, M. Beique, L. Beitel, A. Benedetti, R. Benoit, B. Bernardin, M. Bernier, T. Bessissow, M. Bhat, L. Birnbaum, G. Blake, S. Blum, H. Blumer, M. Bonnycastle, M. Borod, N. Bottega, P. Bourgouin, C. Brodeur, A. Brown-Johnson, I. Brukner, J. Buithieu, R. Bunea, J. Cameron, B. Campbell, W. Carey, H. Chang, B. Chen, A. Chen-Tournoux, S. Chevalier, W. Chiu, S. Christopoulos, B. Chrysler, P. Cleland, J. Cohen, V. Cohen, I. Colmegna, J. Cooperman, C. T. Costiniuk, B.-A. Cummings, J. Dagher, S. Dandona, R. Dandurand, C. Davies, K. Davison, N. Dayan, A. Demirjian, S. Dial, M. Divangahi, V. Dory, K. Doyle, S. Dube, R. Eappen, J. Eid, S. Eintracht, T. El-Helou, E. Elstein, N. Ezer, S. Fallovollita, J. Falutz, K. Filion, I. Fortier, M. Fournier, J. Fox, R. Foxford, C. Frenette, G. Friedman, R. Friedman, G. Frisch, M. Fujiwara, S.H. Fung, S. Gagnon, P. Galiatsatos, N. Garfield, S. Garg, A. Giannakis, S. Gilman, S. Gold, G. Goldman, A. Gonzales, B. Govig, T. Hadjis, R. Haichin, L.P. Haraoui, E. Hazel, P. Heilpern, A. Hercz, V. Homier, R. Horn, D. Hornstein, J. How, X. Hu, M. Hudson, R. Husa, G. Inglis, N. Johnson, D. Joyal, T. Kader, F. Kalache, M.-A. Kallai-Sanfacon, M. Kaminska, S. Kenick, M. Khanna, T. Kohn, M. Kornbluth, D. Kostiuk, J. Krasny, D. Kroemker, C.F. Kudo, M. Laliberte, A. Lalonde, D. Laporta, N. Larente, H. Laryea, C. Lauzon, K. Lawlor, P. Lebel, R. Leblanc, T. Lee, C. Legler, G. Levesque, E.J. Levinoff, J. Lipes, M. Lipnowski, M.L. Luong, L. Luteran, K. Ly, A.J. Maclean, A. Majdan, T. Maniatis, S. Mannix, C. Maranda, V. Mardigyan, G. Martucci, L. Meissner, P. Melanson, C. Michel, C. Mihalcioiu, C. Mindru, Y. Monczak, M. Mondou, J. Monette, L. Moreau, G. Morelli, S.T. Morin, N. Mousavi, R. Munk, V. Naessens, E. Nashi, M. Ndao, S. Nessim, N. Ng Cheong, D. Nguyen, J. Nguyen, K. Nguyen, L. Ofiara, L. Opatrny, M. Oughton, N. Ozen, N. Pai, M. Palaic, M. Palayew, M. Paliouras, M. Palumbo, S. Pamidi, P. Panopalis, J. Parent, F. Parente, F. Patenaude, J.P. Pelletier, P. Pelletier, C. Pepe, V. Petropoulos, N. Piazza, H.Z. Pomerantz, G. Popradi, D. Portnoy, P. Proulx, B. Rabinovitch, M. Radhakrishna, J. Raffoul, D. Rahal, R. Rajan, A. Rizzo, O. Roshdy, J.P. Roux, R. Rubinstein, A. Ryder, N. Saad, L. Sakr, F. Sandrin, R. Sapir-Pichhadze, C.L. Saw, J. St-Cyr, M. St-Jacques, R. Schlesinger, I. Schonfield, B. Schwartz, M. Sebag, G. Sebastiani, J. Segal, M. Semret, J. Shahin, F. Shamekh, A. Shamy, R. Sheppard, E. Sidorowicz, F. Silviu-Dan, A.-A. Simard, M. Singer, J. Sjoström, B. Smith, C. Soulellis, M. Stanciu, M. Starr, M. Stein, D. Stern, J.A. Stewart, J. Storing, N-Z. Sun, A. Szilagy, M. Teltscher, G. Thanassoulis, S. Tinawi, L. Trudeau, A. Tsoukas, M. Tsoukas, L. Vautour, J. Verdon, A. Verma, A. Vigano, E. Vinet, D. Vinh, M. Walker, D. Wan-Chow-Wah, B. Wang, P. Warshawsky, C. Watts, C. Weber, M. Wilchesky, P. Willemot, J. Wiseman, J. Wyse, H. Yanofsky, C. Yansouni, D. Yee, M. Young, O. Yu, G. Zaharatos, P. Zanelli

## Lecturers

E. Adelson, N.A. Ahmed, R. Audet, D. Azran, L. Babins, H. Benoualid, R. Bilefsky, D. Boisvert, M. Boufassa, C. Cassis, M. Clamen, M. Dallaire, M. Di Lorenzo, R. Djiana, C. Dumont, I. Dylewski, A. Farah, E. Ferland, R. Fish, O. Fournier-Blake, S. Fox, N. Germain-Lacroix, A. Ghavami, F. Giard, E. Gilbert, M. Girouard, C. Gomberg, D. Grunbaum, S. Javaheri, N. Kelner, R. Kennedy, E. Kokoskin, I. Lebovich, C. Levesque, I. Lowensteyn, D. Macek, L. Moleski, M. Munoz, N.A. Nguyen, T.T. Nguyen, J. Okapuu, S.D. Potoker, H. Reisler, A. Roy, C. Sairam, R. Schiff, E. Shahin, H.Y. Shiu, R. Starra, M. Tahan, D. Tatu, D.



## Adjunct Professors

G. Gupta, J. Gutkowska, P. Hamet, Z. Hanna, D. Hipfner, J. Hiscott, A. Huang, P. Jolicoeur, A. Kania, M. Kmita, D. Kodner, J.P. Lavoie, E. Lecuyer, D. Lussier, L. Mallett, F. Marcotte, C. Martinez, D. Miao, J.P. Michel, M. Miller, T. Moroy, P. Nair, F. Ni, M.S. Nosair, C. Nudo, M. Oeffinger, F. Paccaud, A. Papapetropoulos, M-C Parent, H. Payette, Y. Peretz, H. Perrault, K. Podsypanina, V. Poitout, M. Prentki, M. Pugliatti, R. Rabasa-Lhoret, D. Rabinovitch, E. Racine, S. Rashed, M. Ridha, M. Rosengarten, C. Roussos, R. Sabbagh, M. Sandri, N. Seidah, Y. Skrobik, N. Srouf, W.K. Suh, H. Takahashi, C. Tannenbaum, A. Trajman, M. Trudel, N.U. Truong, W. Tsang, J. Vacher, A. Veillette, E. Wang, K. Weiss, N.E. Winslade, C. Wu, S. Zari, J. Zwaagstra

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## 6.17 Microbiology and Immunology

### 6.17.1 Location

3775 University Street, Room 511  
Montreal, QC H3A 2B4

Telephone: 514-398-7492

Email: [office.microimm@mcgill.ca](mailto:office.microimm@mcgill.ca)

Website: [www.mcgill.ca/microimm](http://www.mcgill.ca/microimm)

### 6.17.2 Core Courses

This Department contributes to the multidisciplinary curriculum components of Fundamentals of Medicine and Dentistry (FMD) and Senior Clerkship.

### 6.17.3 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's [Graduate and Postdoctoral Studies](#) section, and the Faculty of Science's [Undergraduate](#) section for more information.

### 6.17.4 Microbiology and Immunology Faculty

#### Chair

J. Madrenas

#### Emeritus Professors

N. Acheson, Z. Ali-Khan, M. Baines, J.W. Coulton

#### Professors

A. Berghuis; M.Sc.(Rijks Univ. Groningen), Ph.D.(Br. Col.)

J. Madrenas; M.D.(Barcelona), M.Sc., Ph.D.(Alta.)

G.J. Matlashewski; B.Sc.(C'dia), Ph.D.(Ohio)

R.A. Murgita; B.Sc.(Maine), M.S.(Vermont), Ph.D.(McG.)

M. Olivier; B.Sc.(Montr.), Ph.D.(McG.)

C. Piccirillo; B.Sc., Ph.D.(McG.)

M. Stevenson; M.Sc., Ph.D.(Catholic Univ. of AmerAmer)

**Associate Professors**

S. Fournier; Ph.D.(Montr.)

S. Gruenheid; B.Sc.(Br. Col.), Ph.D.(McG.)

H. Le Moual; Ph.D.(Montr.)

G. T. Marczynski; B.Sc., Ph.D.(Ill.)

D. Sheppard; M.D.(Tor.)

3801 University Street  
Montreal QC H3A 2B4

Website: [www.mcgill.ca/neuro](http://www.mcgill.ca/neuro)

**Montreal General Hospital**

1650 Cedar Avenue  
Montreal QC H3G 1A4

Website: [muhc.ca/mgh/dashboard](http://muhc.ca/mgh/dashboard)

**Centre for Research in Neuroscience**

1650 Cedar Avenue  
Montreal QC H3G 1A4

Website: [www.mcgill.ca/crn](http://www.mcgill.ca/crn)

**Montreal Children's Hospital**

1001 Boulevard Décarie  
Montreal QC H4A 3J1

Website: [www.thechildren.com](http://www.thechildren.com)

**Jewish General Hospital**

3755 Côte St. Catherine  
Montreal QC H3T 1E2

Website: [www.jgh.ca](http://www.jgh.ca)

### 6.18.2 Core Courses

This Department contributes to the multidisciplinary curriculum components of Fundamentals of Medicine and Dentistry (FMD) and Transition to Clinical Practice (TCP).

NEUR 301 – Neurology - Transition to Clinical Practice

### 6.18.3 Electives

The Department provides four-week electives for medical students. These are available at the Montreal Neurological Hospital, Montreal General Hospital, and Jewish General Hospital.

### 6.18.4 Graduate Courses

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

### 6.18.5 Neurology and Neurosurgery Faculty

#### Chair

G. Rouleau

#### Emeritus Professors

A. Aguayo, G. Bertrand, G. Bray, R. Del Maestro, M. Diksic, R.J. Dunn, P. Holland, D. Lawrence, A. Olivier, H. Pappius, M. Rasminsky, A. Sherwin, G. Tannenbaum, C. Thompson, G. Watters

#### Professors, Post-Retirement

R.J. Riopelle, J. Woods

#### Professors

E. Andermann, F. Andermann, J. Antel, D. Arnold, M. Avoli, S. Baillet, A. Bar-Or, P. Barker, A. Bernasconi, C. Bourque, S. Carbonetto, H. Chertkow, L. Collins, R. Côté, A. Dagher, S. David, H. Durham, A. Evans, J.P. Farmer, L. Fellows, E. Fon, S. Gauthier, J. Gotman, D. Guitton, E. Hamel, K. Hastings, B. Jones, M. Jones-Gotman, T. Kennedy, A. LeBlanc, R. Leblanc, L. Levin, H. McBride, P. McPherson, B. Milner, G. Mohr, M. Petrides, B. Pike, A. Ptito, Y. Rao, J. Richardson, G. Rouleau, A. Sadikot, H. Schipper, P. Séguéla, M. Shevell, E. Shoubridge, W. Sossin, S. Stifani, D. Tampieri, R. Zatorre

### **Associate Professors**

M. Aubé, S. Bekhor, B. Brais, J. Carlton, C. Chalk, J.F. Cloutier, F. Dubeau, A. Fournier, M.C. Guiot, R. Hoge, L. Jacques, P. Kavan, A.L. Lafontaine, Y. Lapierre, D. Melançon, C. Melmed, J. Minuk, J. Montes, K. Moore, K. Murai, J. Nalbantoglu, C. Pack, H. Paudel, A. Peterson, K. Petrecca, R. Postuma, D. Ragsdale, B. Rosenblatt, E. Ruthazer, R. Schondorf, A. Shmuel, J. Teitelbaum, A. Thiel, D. Trojan, D. van Meyel

### **Assistant Professors**

R. Altman, M. Angle, J. Atkinson, G. Bernard, B. Chen, M.D.P. Cortes-Nino, E. de Villers Sidani, M.E. Dilenge, S. DiMaio, P. Dion, E. Djordjevic, L. Durcan, E. Ehrensperger, D. Gendron, A. Genge, P. Giacomini, J. Golan, B. Goulet, J. Hall, M.N. Hebert-Blouin, K. Hyde, J. Karamchandani, D. Klein, E. Kobayashi, T. Kolivakis, L.M. Koski, A. Kostikov, N. Ladbon-Bernasconi, M. Larose, M. Lechter, T.G. Leonard, S. Lubarsky, M. Maleki, J. Marcoux, G. Massarweh, R. Massie, F. Moore, S. Narayanan, E. O'Ferrall, M. Oskoui, C. Poulin, D. Radcliffe-Branch, C. Renoux, R. Roberts, P. Rosa-Neto, J.-P. Roy, F. Salevsky, R.S. Saluja, D. Saumier, P. Schweinhardt, M. Sidel, D. Sinclair, D. Sirhan, J. Sjostrom, J.-P. Soucy, M. Srour, D. Stellwagen, T. Stroh, V. Sziklas, H. Tsuda, M. Veilleux, L. Vieira, F. Wein, T. Wein, J. Zhang, M. Ziller

### **Lecturers**

S. Antel, D. Diorio, A. Gagnon, K. Khalaf, W. Vanast

### **Associate Members**

C. Baker, S. Beaulieu, C. Benkelfat, G. Bennett, E. Bereza, V. Bohbot, D. Bowie, A. Brunet, N. Cermakian, F. Cervero, J. Chankowsky, D. Chartrand, T. Coderre, C. Cuello, K. Cullen, B. Debruille, R. Del Carpio, S. El Mestikawy, C. Flores-Parkman, J.P.A. Gratton, R. Hess, D. Juncker, M. Kaminska, F.A. Kingdom, L. Lach, M. Lepage, M. Levin, M. Leyton, A. Majnemer, R.A. McKinney, M. Meaney, C. Mindru, T. Muanza, K. Mullen, C. Paquette, G. Plourde, J. Poirier, J. Pruessner, R. Quirion, J. Rochford, L. Srivastava, G. Turecki, C.D. Walker, S. Williams, C. Wolfson, A. Zeitouni

### **Adjunct Professors**

#### **6.18.5.4 Montreal Children's Hospital Faculty**

##### **Director, Division of Pediatric Neurology**

G. Sébire

##### **Neurosurgeon-in-Chief**

J. Montes

#### **6.18.5.5 Jewish General Hospital Faculty**

##### **Neurologist-in-Chief**

J. Minuk

##### **Neurosurgeon-in-Chief**

J. Golan

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### **6.19 Obstetrics and Gynecology**

#### **6.19.1 Location**

Royal Victoria Hospital  
687 Pine Avenue West  
Montreal QC H3A 1A1

Website: [www.mcgill.ca/obgyn](http://www.mcgill.ca/obgyn)

#### **6.19.2 Core Courses**

This Department contributes to the multidisciplinary curriculum components of Fundamentals of Medicine and Dentistry (FMD), Transition to Clinical Practice (TCP), and Core Clerkship.

INDS 305 – T

**Assistant Professors**

J. Bray, D. Cohen, M. Dahan, E. Demirtas, A. El-Messidi, G.P. Gagné, W. Goldsmith, H. Holzer, H.S. Hum, K. Jardon, D.A. Johansson, S. Klam, R.D. Koby, S. Lau, J. Lefebvre, G. Luskey, S. Macfarlane, A. Mallozzi, F. Mansour, L. Marcon, V. Marcoux, H. McNamara, L.B. Merovitz, L. Miner, L. Monton, A. Mok, A. Naimi, V. Ponette, E. Quiros, S. Reinblatt, M. Sabin, S. Shams, R. Shear, J. Shine, J. Takefman, E. Walter, C. Ziegler

**Lecturers**

M. Arseneault, F. Blais, B. Bodmer, A. Climan, C. Desjardins, L. Dontigny, F. Engel, F. Faruqi, K. Feochari, A. Fichman, C. Fortin, R. Frydman, D. Garcia, A. Geumei, I. Girard, M. Guralnick, M. Hall, J.P. Hamel, G. Hannouche, L. Johnson, G. Kange, G. Mallouh, N. Mansour, K. Maraghi, C. Martins, A. Poirier, L.A. Pongui, D. Saxon, L. Seropian, J. Shinder, V. Stuckey, J. Thomassin

**Associate Members**

N. Ali, F. Baltzer, D. Bernard, W. Foulkes, E. Franco, R. Funnell, J.M. Laberge, B. Presser, J. Sampalis, B. Sherwin, T. Taketo

**Adjunct Professors**

G. Desaulniers, A. Gervaise, A.B. Lalonde, M. Leong, F. Naftolin, J. Press, D. Querleu, C. Sylvestre

**Affiliate Member**

C. O'Flaherty

**6.20 Oncology****6.20.1 Location**

Gerald Bronfman Centre  
546 Pine Avenue West  
Montreal QC H2W 1S6

Website: [www.medicine.mcgill.ca/oncology](http://www.medicine.mcgill.ca/oncology)

**Radiation Oncology**

McGill University Health Centre – Glen Site  
Cedars Cancer Centre, DS1.4550  
1001 Décarie Boulevard  
Montreal QC H4A 3J1

**6.20.2 Longitudinal Oncology Theme Over Four Years**

This Department is restructuring its program offerings; please refer to [www.medicine.mcgill.ca/oncology](http://www.medicine.mcgill.ca/oncology) for more information.

**6.20.3 Oncology Faculty****Chair**

E. Franco

**Professors**

M. Alaoui-Jamali, A. Aprikian, G. Batist (Minda de Gunzberg Chair in Oncology), N. Beauchemin, F. Bladou, C. Borchers, P. Branton, P. Brodt, W. Foulkes, C. Freeman (Michael Rosenbloom Professor of Radiation Oncology), V. Gigure, L. Gilbert, P. Gold, P.H. Gordon, W. Gotlieb, V. Hirsh, T. Hutchinson, A. Koromilas, R. Margolese, S. Meterissian, W. Miller, A. Nepveu, L. Panasci, M. Park, J. Pelletier, M. Pollak (Alexander Goldfarb Professor), S. Richard, J.P. Seuntjens, C. Shustik, L. Souhami, A. Spatz, M. Thirlwell, M. Tremblay, M. Wexler

**Associate Professors**

B. Abdulkarim, T. Alcindor, D. Anderson, S. Assouline, M. Basik, M. Black, S. Caplan, P. Chaudhury, R. Cohen, D. Cournoyer, S.L. Faria, L. Ferri, C. Greenwood, M. Hier, I. Hings, M. Katz, P. Kavan, P. Laneuville, A. Langleben, B. Lapointe, A.S. Liberman, C. Loiselle, A. Loutfi, M. Martin, A. Meguerditchian, C. Milne, A. Peterson, J. Prchal, R. Rajan, Z. Rosberger, A. Rosenberg, G. Shenouda, S. Solymoss, G. Spurril, G. Stanimir, J. Sturgeon, A. Towers, T. Vuong, J.H. Wu, A. Zeitouni, J. Zidulka

## Assistant Professors

S. Abbasi Nejad Enger, S. Abish, J. Agulnik, J. Alfieri, H. Al-Halabai, R. Aloyz, J. Asselah, S. Assouline, S. Aubin, L. Azoulay, B. Bahoric, G. Blake, M. Borod, N. Bouganim, V. Cohen, F. Cury, R. Dalfen, M. David, F. DeBlois, A. Derossis, S. Devic, M. Duclos, N. Eliopoulos, M. Evans, M. Fabian, J. Farley, C. Ferrario, M. Henry, T. Hijal, K. Jardon, N. Johnson, N. Kopek, C. Lambert, H. Laryea, S. Lau, C. Legler, I. Levesque, K. Mann, L. McCaffrey, D. Melnychuk, C. Mihalcioiu, T. Muanza, S. Néron, M.T. Niazi, S. Owen, V. Panet-Raymond, W. Parker, F. Patenaude, H. Patrocínio, C. Pepe, S. Sabri, V. Sangwan, E. Soisson, B. Stein, D. Stern, G. Stroian, K. Sultanem, A. Syme, I. T

### 6.21.3 Electives

Four-week electives are offered to Clerkship students at the Montreal General, Royal Victoria, Jewish General, and Montreal Children's Hospitals. Each student functions as a clinical clerk in the respective Eye Department.

### 6.21.4 Ophthalmology Faculty

#### Chair

L. Levin

#### Professors

C. Baker, M.N. Burnier Jr., J. Deschenes, R.F. Hess, P. Lachapelle, F. Kingdom, L. Levin, K. Mullen

#### Associate Professors

P. Archambault, B. Arthurs, J. Chen, W.E.S. Connolly, C. Edelstein, M. Flanders, M. Gans, J.E.S. Gomolin, M. Kapusta, O. Kasner, A. Khan, R. Koenekoop, S. Lindley, J.M. Little, J. Mendola, O. Overbury, R. Polomeno, J. Rosen, N.E. Saheb, L. Solomon

#### Assistant Professors

D. Albert, R. Beneish, S. Callejo, J.P. Chartrand, D. Cheema, S. Cohen, M. Discepola, H. El-Saheb, R. Farivar, S. Fichman, J. Galic, A. Hafez, C. Kavalec, M. Mydlarski, M. Quigley, B. Silver, D. Toffoli, J.B. Waldron, A. Wallerstein, F. Wein, J. Wise

#### Lecturers

C. Ares, A. Coffey, S. Friedman, B. Kattleman, D. Kraus, H. Mihalovits, K. Nasr, K. Oliver, L. Robidas, D. Silver, C.R. Staudenmaier, E.D. Svarc



**6.22.5 Otolaryngology – Head and Neck Surgery Faculty****Chair**

S. Frenkiel

**Graduate Program Director and Director of Research**

B. Segal

**Director of Residency Training Program**

J. Manoukian

**Director of Head and Neck Oncology Program**

M.J. Black

**Co-Directors of Undergraduate Medical Education**

M. Tewfik, J. Young

**Director of Fellowship Training**

J. Rappaport

**Emeritus Professor**

J.D. Baxter; M.D.,C.M., M.Sc.(McG.), F.R.C.S.(C)

**Professors**

S. Daniel; M.D.,C.M., M.Sc.(Otol.)(McG.), F.R.C.S.(C)

S. Frenkiel; B.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)

A. Katsarkas; M.D.(Thess.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)

M.D. Schloss; M.D.(Br. Col.), F.R.C.S.(C)

T.L. Tewfik; M.D.(Alex.), F.R.C.S.(C)

**Associate Professors**

M.J. Black; M.D.,C.M.(McG.), F.R.C.S.(C)

M. Desrosiers; M.D.(Montr.), F.R.C.S.(C)

N. Fanous; M.B., B.CH.(Cairo), F.R.C.S.(C)

W.R.J. Funnell; B.Eng., M.Eng., Ph.D.(McG.)

M. Hier; M.D.,C.M.(McG.), F.R.C.S.(C)

K. Kost; M.D.,C.M.(McG.), F.R.C.S.(C)

J. Manoukian; M.B., Ch.B.(Alex.), F.R.C.S.(C)

L. HP. Nguyen; M.D.,C.M.(McG.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)

W.H. Novick; M.D.(Qu.), F.R.C.S.(C)

R. Payne; M.D.,C.M., M.Sc.(Otol.)(McG.), F.R.C.S.(C)

J. Rappaport; M.D.(Dal.), F.R.C.S.(C)

B. Segal; B.Sc., B.Eng., M.Eng., Ph.D.(McG.)

R.S. Shapiro; M.D.,C.M.(McG.), F.R.C.S.(C)

A.G. Zeitouni; M.D.(Sher.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)

**Assistant Professors**

F. Chagnon; M.D.,C.M.(McG.), F.R.C.S.(C)

M. Duval; M.D.(Ott.), C.M., M.Sc.(Epid.)(Lond.), F.R.C.S.(C)

## Assistant Professors

V.I. Forest; M.D., M.Sc.(Exp. Med.)(Laval), F.R.C.S.(C)

I. Fried; M.D.(Dal.), F.R.C.S.(C)

Y

Montreal QC H3A 2B4

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Website: [www.mcgill.ca/pathology](http://www.mcgill.ca/pathology)

### **6.23.2 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 units of the curriculum. Thus, the Department of Pathology contributes to the Fundamentals of Medicine and Dentistry (FMD) curriculum components.

### **6.23.3 Electives**

The Department provides two- and four-week electives for medical students after completion of the FMD curriculum from Blocks A to J. 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](mailto:pathologyteaching.med@mcgill.ca) for more information or see the [Electives Catalogue](#).

### **6.23.4 Other Courses**

The Department is well-equipped for graduate research leading to the M.Sc. and Ph.D. degrees and of

**Associate Professors**

V.A. Marcus; M.D.,C.M.(McG.), F.R.C.P.(C)  
 R. Onerheim; M.D.(Alta.), F.R.C.P.(C)  
 M. Pelmus; M.D., Ph.D.(Athens)  
 L. Rochon; M.D.(Sher.), F.R.C.P.(C)  
 I. Roy; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
 A.K. Watters; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
 E. Zorychta; B.Sc.(St. FX), M.Sc., Ph.D.(McG.)

**Assistant Professors**

O.E. Ajise; M.D., F.C.A.P., F.R.C.P.(C)  
 M. Alameldin; M.D.(Egypt), F.R.C.P.(C)  
 S. Albrecht; M.D.(Sher.), F.R.C.P.(C)  
 O. Aleynikova; M.D.(Dal.), F.R.C.P.(C)  
 R.D. Amre; M.B.B.S.(KIMS), F.R.C.P.(C)  
 K. Bakdounes; M.D.(Damascus), F.R.C.P.(C)  
 M. Blumenkrantz; M.D.,C.M.(McG.), F.R.C.P.(C)  
 G.A. Brandao; M.D.(UFJF)  
 F. Brimo; M.D.(Damascus), F.R.C.P.(C)  
 D. Caglar; M.D.(Gazi)  
 A. Florea; M.D.(Iuliu Ha ieganu)  
 L. Fu; M.D.,C.M.(McG.), M.Sc.(McG.), F.R.C.P.(C)  
 A. Gologan; M.D.(Carol Davila, Bucharest)  
 S.-M. Jung; M.D.(Chonnam Nat.)  
 Y. Kanber; M.D.(Marmara)  
 J. Karamchandani; M.D.(Stan.)  
 J. Lavoie; B.Sc., M.Sc., Ph.D.(Laval)  
 H.R. Lopez-Valle; M.D.(Univ. Autonoma, San Luis Potosi)  
 A.T. Marcus; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)  
 V.-H. Nguyen; M.D.(Montr.), F.R.C.P.(C)  
 A. Omeroglu; M.D.(Istanbul)  
 G. Omeroglu-Altinel; M.D.(Istanbul)  
 S. Sandhu; M.B., B.S.(India)  
 H. Srolovitz; B.Sc.(Pitt.), M.D.(Basel)  
 J. St. Cyr; M.D.,C.M.(McG.), F.R.C.P.(C)  
 H. Wang, M.D.(China), F.R.C.P.(C)

**Associate Members**

B.S. Abulkarim, M.D., Ph.D.(Paris XI), F.R.C.P.(C)  
 C.J. Baglolle; M.Sc.(PEI), Ph.D.(Calg.)  
 P.J. Chauvin; M.Sc.(W.Ont.), D.D.S.(McG.)  
 M. Divangahi; Ph.D.(McG.)  
 P. Metrakos; M.D.,C.M.(McG.), F.R.C.S.(C)  
 V. Papadopoulos; D.Pharm.(Athens), Ph.D.(Paris VI)

**Associate Members**

M. Park; Ph.D.(Glasgow), F.R.S.C.

S. Sabri; Ph.D.(Paris VII)

A. Schwertani; M.D.,C.M., Ph.D.(Lond.)

**6.24 Pediatrics****6.24.1 Location**

McGill University Health Centre – Glen Site  
1001 Décarie Boulevard, B.RC.6358.1  
Montreal QC H4A 3J1

Website: [www.mcgill.ca/peds](http://www.mcgill.ca/peds)

**6.24.2 Core Courses**

This Department contributes to the multidisciplinary curriculum components of Fundamentals of Medicine and Dentistry (FMD), Transition to Clinical Practice (TCP), and Core Clerkship.

PAED 301 – Pediatrics - Transition to Clinical Practice

PAED 401 – Pediatrics - Core Clerkship

**6.24.3 Electives**

See the [Elective Program](#) for elective opportunities.

**6.24.4 Pediatrics Faculty****Chair**

M. Shevell

**Emeritus Professors**

V. Der Kaloustian, K. Drummond, J.R. Hamilton, K. Minde, C. Scriver, G. Tannenbaum

**Professors**

F. Andermann, R.T. Brouillette, C. Freeman, F. Glorieux, P. Goodyer, R. Gottesman, H. Guyda, L. Hechtman, N. Jabado, F. Kaplan, M. Kramer, L. Lands, B. Mazer, A. Papageorgiou, R. Platt, I.B. Pless, C. Polychronakos, J. Rak, D. Rosenblatt, R. Rozen, E. Seidman (*Bruce Kaufman Chair in IBD*), S. Shemie, M. Shevell, J. Shuster, J. Trasler

**Associate Professors**

L. Auger, F. Baltzer, C. Bardin, M.-J. Béland, L. Bell, F. Bhanji, M. Bitzan, N. Braverman, J. Brossard, D. Chalut, A. Chan-Yip, L. Chauvin-Kimoff, E. Constantin, A. Côté, A. Dancea, G. DiMeglio, G. Dougherty, A. Duncan, D. Faucher, P. Forbes, B. Foster, T.E. Francoeur, H. Goldman, C. Goodyer, R. Gosselin, S. Gosselin, I. Gupta, R. Haber, F. Halal, N. Kovacina, L. Kovacs, P. Krisnamoorthy, C. Larson, C. Leblanc, D.G. Leduc, S. Liben, A.-M. MacLellan, C. McCusker, J. McDonald, D. McGillivray, J. Mitchell, D. Moore, B. Moroz, D. Munz, F. Noya, J. Nemeth, A. O'Gorman, H. Patel, G. Pekeles, T. Perreault, J. Podavin, P. Puligandla, C. Quach-Thanh, F. Rauch, S. Razack, S.P. Riley, C. Rohlicek, B. Rosenblatt, E. Rubin, L. Russell, A. Ryan, A. Sant'Anna, G. Sant'Anna, M. Ste-Marie, N. Steinmetz, B. Whittemore, M.B. Wise, D. Withington, M. Zappitelli

**Assistant Professors**

S. Abish, H. Agostino, N. Ahmed, G. Ahronheim, R. Alizadehfar, I. Bank, A. Barbier, R. Barnes, J. Bartholomeu, L. Beaumier, J. Belley, M. Ben-Shoshan, G. Bernard, M. Berry, S. Blaichman, M. Boutin, A. Bretholz, A. Brody, H. Bui, B. Burko, S. Campillo, A.-M. Canakis, L. Cartier, M. Cavalle-Garrido, G. Chedeville, J. Chouinard, B. Costom, E. Couture, C. Cummings, M. Dandavino, A. Daoud, M. Decell, D. Diksic, M.-E. Dilenge, A. Dubrovsky, H. Eisman, K. Eppert, J. Erdstein, J.-M. Ferdinand, P. Fontela, S. Forget, D. Friedman, T. Gafoor, I. Gagnon, S. Ghosh, A. Gorgos, A.-M. Gosselin, A.-M. Goyette, I. Greenstone, J. Gulyas, E. Hailu, P. Hedrei, C. Henin, S. Hussain, F. Jafarian, G. Julien, L. Jutras, C. Karatzios, M. Khairy, E. Khalil, L. Koclas, N. Korah, R. Lalonde, L. Legault, C. Lejtenyi, D. Lévesque, P. Li, A. Lovett, M. MacDonald, S. MacDonald, L. Majewska, G. Mandich, C. Millar, D.

### Assistant Professors

Mitchell, G. Morantz, J. Morel, V. Morinville, M. Nakhla, J. Ortenberg, M. Oskoui, C. Ouellet, N. Ouellette, N. Paice, J. Papenburg, R. Paquin, E. Pelausa, M. Pépin, C. Phi, L. Plotnick, H. Porras, C. Poulin, R. Primavesi, D. Rabin, M. Ramsay, H. Rich, C. Sabapathy, K. Saylor, A.M. Sbrocchi, R. Scuccimarri, W. Shalish, A. Shapiro, M. Shiller, T. Sigman, W. Sissons, E. Soos-Kapusy, M. Srour, J. Stankova, N. Stein, J. Stewart, S. Treherne, O. Tse, J. Turnbull, S. Vaillancourt, C. Vézina, D. Waxman, P. Wintermark, S. Woods, J. Yaremko, S. Zavalkoff, A. Zeliger, D. Zielinski

### Lecturers

M. Allard, K. Al-Nedawi, V. Bizgu, Y. Couture, S. Finkelberg, H. Fortin, J. Hortop, C. Gagné, D. Iglesias, R. Jeanneau, D. King, A. Kukhta, M.H. Landreville, J. Lavigne, P. Lawandi, J. Lemonde, M. Lobel-Buch, D. Loyer, S. Malaab, P. Marin, K. Martin, S. Metrakos, S. Quansah, L. Rasmussen, R. Rosenfeld, P. Rossy, C. Roy-Fleising, L. Samotis, E. Shahin, B. Zylbergold

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### Professors

G. Almazan, D. Bernard, D. Bowie, P.B.S. Clarke, A.C. Cuello, B. Hales, T. Hébert, D. Maysinger, G. Multhaup, A. Ribeiro-da-Silva, B. Robaire, H.U. Saragovi, M. Szyf, J. Trasler

### Associate Professors

A. McKinney, S. Nattel, A.L. Padjen, E. Zorychta

### Assistant Professors

B. Castagner, L. Münter, J. Tanny, J.F. Trempe

### Associate Members

M. Alaoui-Jamali, M. Culty, G. Di Battista, L. Diatchenko, L. Fellows, S. Gauthier, T. Geary, B. Jean-Claude, S. Kimmins, S. Laporte, G. Miller, C. O'Flaherty, V. Papadopoulos, S. Rousseau, Y. Shir, L. Stone, M. Ware, T.K. Wong

### Adjunct Professors

B. Allen, M. Boucher, L. Breton, M. Bruno, S. Chemtob, Y. De Koninck, L. Garofalo, J. Gillard, J-S Joyal, J.M.A. Laird, J. Mancini, K. Meerovitch, T. Sanderson

### Affiliate Member

J. Duan

---

## 6.26 Physiology

### 6.26.1 Location

McIntyre Medical Building  
3655 Promenade Sir-William-Osler, Room 1021  
Montreal QC H3G 1Y6

Telephone: 514-398-4316

Website: [www.mcgill.ca/physiology](http://www.mcgill.ca/physiology)

### 6.26.2 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
- endocrinology
- gastrointestinal and renal physiology
- immunology
- neurophysiology
- the physiology of exercise
- respiratory

The Department also has a rich graduate research program leading to either the M.Sc. or the 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; Ph

### 6.26.3 Physiology Faculty

#### Chair

John Orłowski

#### Graduate Program Director

John White

#### Emeritus Professors

Thomas M.S. Chang; B.Sc., M.D.,C.M., Ph.D.(McG.), F.R.C.P.(C)

Kresmir Krnjević; M.C.C.M., Ph.D.(McG,M., Ph.DF



### Assistant Professors

Claire Brown; B.Sc.(St. Mary's), Ph.D.(W. Ont.)

Anmar Khadra; B.Sc.(C'dia), M.Sc., Ph.D.(Wat.)

Connie Krawczyk; B.Sc.(Guelph), Ph.D.(Tor.) (*joint appt. with Microbiology & Immunology*)

Judith Natalia Mandl; B.Sc.(Warw.), Ph.D.(Emory)

Anastasiya Nyzhmyk; M.Biochem., Ph.D.(Oxf.)

Reza Sharif-Naeini; B.Sc.(Montr.), M.Sc., Ph.D.(McG.)

### Associate Members

*Anaesthesia*: Steven Backman

*Biomedical Engineering*: Robert Kearney, Satya Prakash

*Biomedical Ethics*: Jennifer Fishman

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#### 6.27.4 Graduate Courses

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

#### 6.27.5 Psychiatry Faculty

##### Chair

G. Turecki

##### Director of Graduate Program

N. Mechawar

##### Emeritus Professors

M.K. Birmingham; B.A.(Bennington), M.Sc., Ph.D.(McG.)

F. Engelsmann

N. Frasure-Smith; B.A. Ph.D.(Johns Hop.)

A. M. Ghadirian

S. Young

##### Professors

L. Annable; B.Sc.(Liv.), Dipl. in Stat.(Edin.)

C. Benkelfat; M.D.(Rabat) (*James McGill Professor*)

D. Boivin; Ph.D.(Montr.)

P. Boksa; B.Sc., Ph.D.(McG.)

M. Bond; B.Sc., M.D.,C.M.(McG.)

J. Breitner; B.A.(Harv.), M.P.H.(Johns Hop.), M.D.(Penn.)

M. Cole; B.Sc., M.D.,C.M.(McG.)

S. El Mestikawy; Ph.D.(Paris VI)

S. Gauthier; B.A., M.D.(Montr.)

B. Giros; M.Sc., Ph.D.(Paris VI)

A. Gratton; Ph.D.(C'dia)

J. Guzder; B.Sc., M.D.,C.M., F.R.C.P.

L.T. Hechtman; B.Sc., M.D.,C.M.(McG.)

R. Joober; M.D.(Tunisia), Ph.D.(McG.)

B. Kieffer; Ph.D.(Strasbourg)

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**Professors**

J.C. Perry; M.D.(Duke)  
 R.O. Pihl; B.A.(Lawrence), Ph.D.(Ariz.) (*Psychology*)  
 J. Poirier; Ph.D.(Montr.)  
 J. Pruessner; Ph.D.(Trier)  
 R. Quirion; M.Sc., Ph.D.(Sher.)  
 C. Rousseau; M.Sc.(McG.), M.D.,C.M.(Sher.)  
 L.K. Srivastava; B.Sc., M.Sc.(Allahabad), Ph.D.(J. Nehru)  
 H. Steiger; Ph.D.(McG.)  
 G. Turecki; M.Sc., M.D.,C.M., Ph.D.(McG.) (*William Dawson Scholar*)  
 C.-D. Walker; B.Sc., Ph.D.(Geneva)  
 A. Young; B.A., M.A., Ph.D.(Penn.)

**Associate Professors**

J. Armony; B.Sc.(Buenos Aires), M.Sc., Ph.D.(NYU)  
 P. Assalian; Dip.Psychol.(McG.), M.B.,Ch.B.(Cairo)  
 S. Beaulieu; M.D./Ph.D.(Laval)  
 V. Bohbot; B.A.(McG.), M.A., Ph.D.(Ariz.)  
 M.J. Brouillette; M.D.,C.M.(Sher.)  
 A. Brunet; Ph.D.(Montr.)  
 J. Caron; B.A., M.A.(Moncton), Ph.D.(UQAM)  
 N. Casacalenda; M.D.(Sher.), F.R.C.P.  
 N. Cermakian; B.Sc.(UQTR), M.Sc., Ph.D.(Montr.)  
 D. Charney; M.D.,C.M.(McG.)  
 F. Cramer-Azima; B.A.(Qu.), M.A.(Cornell), Ph.D.(Montr.)  
 A. Crocker; Ph.D.(Montr.) (*William Dawson Scholar*)  
 J.B. Debruille; M.D.(Paris XI), Ph.D.(Paris VI)  
 S. Dongier-Montagnac; M.D.,C.M.(Provence Aix-Marseille)  
 B.O. Dubrovsky; M.D.(Buenos Aires)  
 D. Dunkley; B.Sc.(Tor.), Ph.D.(McG.)  
 F. Elgar; M.Sc.(Nfld.), Ph.D.(Dal.)  
 P. Étienne; M.D.(Liege)  
 C. Fichten; B.Sc.(McG.), M.Sc.(C'dia), Ph.D.(McG.)  
 M.-J. Fleury; M.A., Ph.D.(Montr.)  
 C. Flores; B.Sc., M.A., Ph.D.(C'dia)  
 D. Frank; Dip.Psychol., M.D.,C.M.(McG.)  
 R. I. Fraser; M.D.(Dal.)  
 G. Galbaud du Fort; M.D., Ph.D.(Paris) (*joint appt. with Epidemiology and Biostatistics*)  
 K.G. Gill; B.Sc.(Br. Col.), M.A., Ph.D.(C'dia)  
 G. Gobbi; M.D.(Rome), Ph.D.(Cagliari)  
 I. Gold; Ph.D.(Princ.)  
 A. Granich; M.D.(McG.), F.R.C.P.  
 B. Greenfield; M.D.(Wash.)

## Associate Professors

N. Grizenko; M.D.,C.M.(Sher.)

D. Groleau; B.Sc., M.Sc., Ph.D.(Montr.)

R. Gruber; B.A., M.S., Ph.D.(Tel Aviv)

K. Igartua; M.D.,C.M. F.R.C.P.(C)(McG.)

M. Israël; B.Sc., Gr.Dip.Psych.(McG.), M.A.(Qu.), M.D.,C.M.(McG.)

E. Jarvis; M.D.(Alta.), M.Sc.(McG.), F.R.C.P

**Associate Professors**

P. Zelkowitz; Ph.D.(McG.)

M. Zoccolillo; B.Sc.(New Orleans), M.D.(Norfolk)

**Assistant Professors**

M.P. Adams; B.A.(Laval), Gr.Dip.Psychiat.(McG.), M.D.,C.M.(Sher.)

L. Amirali; M.D.(Athens)

S. Bachneff; Dip.Psychol.(McG.), M.D.,C.M.

S.M. Bailes; Ph.D.(C' dia)

P. Bajsarowicz; M.D.(McG.), F.R.C.P.(C)

E. Banon; M.D.,C.M.(McG.)

M. Barbarosie; M.D., Ph.D.(Montr.)

L. Beauclair; B.Sc., M.D.(Laval)

D. Belisle; M.D.(Laval)

C. Benerakis; Gr.Dip.Psychiat.(McG.), M.D.(Trin. Coll.,Tor.)

M. Berlim; M.Med., M.D.(Rio Grande do Sul)

M. Bernard-Brodeur; M.Sc., Ph.D.(Montr.)

R. Biskin; M.D., M.Sc.(McG.)

P. Bleau; B.Sc., Gr.Dip.Psychiat., M.D.,C.M.(Sher.)

D. Bloom; B.Sc.(Regina), M.D.(Qu.)

M. Boily; B.Sc., M.D.(Laval)

F. Bourque; M.D.(Laval), Ph.D.(KCNS)

I. Bradley; M.Sc.(Tor.), Ph.D.(Wat.)

E. J. Brahm; M.D.

R. Brown; B.Sc., M.D.,C.M.(McG.)

T.G. Brown; Ph.D.(C' dia)

J. Canfield; B.A.(New Br.), M.D.,C.M.(Dal.)

P. Cervantes; Dip.Psychol.(McG.), M.D.,C.M.(UAEM)

E. Chachamovich; M.D.(Rio Grande do Sul), Ph.D.(Edin.)

M. Chakavarty; Ph.D.(McG.)

S. Choudhury; Ph.D.(Univ. Coll. Lond.)

D. Claveau; M.D.(Laval)

P. Cote; B.A.(Laval), M.D.,C.M.(Laval/Ott.)

L. Creti; Ph.D.(C' dia)

H. Cvejic; M.D.(NUI)

L. Dabby; M.D.(Tor.)

M.E. Davis; Dip.Psychol., M.D.,C.M.(McG.)

R. Desautels; B.Sc., M.D.,C.M.(McG.)

J. Desmarais; M.D.,C.M.(McG.)

M. di Tomasso; M.D.(McG.)

M. Elie; B.Sc., M.D.,C.M.(McG.)

M. Elsabbagh; Ph.D.(Qu.)

C.P. Ernst; B.Sc.(McG.), M.Sc.(Br. Col.), Ph.D.(McG.)

**Assistant Professors**

J. Errunza; M.D.(McG.)  
K. Faridi; M.D.(Calg.)  
A. Fielding; M.D.,C.M.(McG.)  
E. Foley; B.Sc.(Tor.)  
R.E. Franck; B.A., M.D.,C.M.(McG.)  
R. Fraser; B.A., M.D.(Dal.)  
J. Friedland; M.D.(Calg.)  
G. Gagnon  
M. Gauthier; M.D.,C.M.(Montr.)  
K. Geagea; M.D.,C.M.(SJU)  
J. Glass; B.A.(Boston), M.D.,C.M.(McG.)  
K. Goddard; M.D.,C.M.(Manit.)  
M. Grignon; B.A.(Montr./Ott.), M.A.(Ott.)  
J.M. Guile; Gr.Dip.Psychiat.(Aix-Marseilles)  
M. Habra; B.A.(McG.), M.A., Ph.D.(Br. Col.)  
P.O. Harvey; Ph.D.(McG.)  
B. Hayton; B.A.(Williams), M.D.,C.M.(McG.)  
L. Hoffman; M.D.(McG.)  
F. Ianni; B.Sc.(McG.), M.D.,C.M.(Montr.)  
H. Iskandar; Dip.Psychol.(McG.), M.B.,Ch.B.(Alexandria)  
S. Iyer; M.A.(Mumbai), Ph.D.(Nebraska–Lincoln)  
C. Jolicoeur; M.D.,C.M.(Laval)  
F. Jollant; M.D.(Paris), M.Sc., Ph.D.(Montpellier)  
J. Joly; M.D.,C.M.(McG.)  
M. Kapuscinska; M.D.,C.M.(Medical U. Gdansk)  
S. Karama; Ph.D.(Montr.)  
R. Keller; M.D.,C.M.(Manit.)  
F. Key  
M.E. Kiely; B.Ed., B.Sc.(Montr.), M.Sc., Ph.D.(McG.)  
T. Kolivakis; M.D.(Athens)  
R. Kuyumjian; M.D.,C.M.(McG.)  
P. Lageix; B.Sc., M.D.,C.M.(Paris IV)  
S. Lamarre; B.A., M.D.,C.M.(Laval)  
M. Laporta; Dip.Psychol., M.D.,C.M.(McG.)  
L. Laporte; B.A.(McG.), M.Psychol., Ph.D.(Montr.)  
M. Larose; M.D.(Laval)  
M. Lashley; Ph.D.(McG.)  
J.D. Leccia; M.D.(Provence Aix-Marseille)  
E. Levy; Gr.Dip.Psychiat.(McG.), M.Ed.(Sher.)  
E. Libman; B.A., M.Sc., Ph.D.(McG.)  
E. Lizondo; M.D.,C.M.(Nat. Univ. Central Buenos Aires)  
S.J. Lloyd; B.A.(McG.)

## Assistant Professors

G.L. Low; B.A.(Qu.), Dip.Psychol.(McG.), M.D.,C.M.(Ott.)

N.C.P. Low; M.D., M.Sc.(McG.)

W. Ma; M.D., M.Sc.(Tongji), Ph.D.(McG.)

C. Magill; M.D.(Alta.)

T. Measham; B.Sc., M.D.(McG.)

M. Messier; B.A.(Montr.), M.B.A.(HEC)

G. Meterissian; Gr.Dip.Psychiat.(McG.), M.D.,C.M.(Montr.)

T.M. Milroy; B.Sc., M.D.,C.M.(Md.), Gr. Dip. Psychiat.(McG.)

M. Miresco; M.D.,C.M.(McG.)

L. Nadeau; M.D.(Montr.)

J.P. Nea(H0.5M. Mirbv1 0 0 1 130.51.4599.64 Tm(. NeaOn)TM1 0 0 1 70.52 694524 T(J.P)T AeaO'Neil.A.(MonC'dia Dip.Psychol.(M,D.,C.M.(McG.)

### Assistant Professors

J. Tremblay; B.A.(Montr.), M.Sc.(McG.), M.D.,C.M.(Montr.)

F. van den Eynde; M.A.(Florence), Ph.D.(King's College), M.D.(Ghent)

S. Vida; B.Sc.(Ott.), M.D.,C.M.(McG.)

J. Vogel; M.D.,C.M.(Manit.)

A. Wazana; B.A.(McM.), M.Sc.(Col.), M.Sc.(McG.), M.D.(McM.)

R. Whitley; B.S., M.S., Ph.D.(Lond.)

A. Wilner; B.A., M.D.,C.M.(McG.)

M.A. Wolf; M.Sc., M.D.,C.M.(Strasbourg)

G. Zahirney; M.D.(McG.)

T. Y. Zhang; Ph.D.(McG.)

V. Zicherman; B.Sc., M.D.,C.M.(McG.)

D. Zigman; M.D.(McG.)

E. Zikos; M.D.(Montr.)

### Lecturers

F. Amdiss, S. Attia-Galand, A.D. Basque, N. Beauchemin, L. Beaudry, T. Bedrossian, J.F. Belair, D. Bertrand, I. Blais, C. Blake, J.M. Bourque, C.M.J. Brebion, E. Casimir, E. Cauchois, P. Chan, M. Coward, W. Darwich, M.H.N. Dinh, H. Dymetryszyn, J.A. Farquhar, H. Goldhaar, G. Goulard, L. Gouriou, D. Groenewege, P. Harden, J. Harvey, M. Heyman, I. Iordache, H.G. Jean-Francois, M. Koch, D. Kunin, N. Kuperstok, R. Lake-Richards, P. Lamoureux, A.G. Maccordick, S.K. Margolese, D. Michaud, J. Moamai, K. Myron, A. Navidzadeh, T. Ngo-Minh, J.P. O'Donnell, R. Payeur, L. Peters, G. Pierre-Louis, M. Quintal, T. Reyburn, K. Richter, D. Robitaille, D.TA.SchiNa



**Adjunct Professors**

F. Lesperance; M.D.

S. Richard-Devantoy

S. Sultan

### Honorary Emeritus

M. Zannis-Hadjopoulos

### Emeritus Professors

C.P. Stanners

### Full Members

N. Beauchemin, M. Bouchard, P. Branton, T. Duchaine, A. Fuks, I. Gallouzi, V. Giguère, P. Gros, M. Hallett, S. Huang, R. Jones, C. Krawczyk, L. McCaffrey, W. Muller, A. Nepveu, M. Park, A. Pause, J. Pelletier, G. Shore, P. Siegel, N. Sonenberg, J. St-Pierre, J. Teodoro, M. Tremblay, Y. Yamanaka, X.-J. Yang, M. Zannis-Hadjopoulos, G. Zogopoulos

### Associate Members

M. Alaoui-Jamali, S. Ali, G. Batist, P. Brodt, D. Cournoyer, D. Dankort, J. Dostie, F. Fagotto, L. Ferri, N. Jabado, S. Jothy, A. Koromilas, N. Lamarche-Vane, P. Laneuville, P. Lasko, C. Loiselle, K. Mann, G. Matlashewski, W. Miller, L. Panasci, M. Pollak, J. Rak, R. Roy, M. Saleh, U. Saragovi, C.P. Stanners, M. Szyf, P. Tonin, J. Vogel, I. Wainer

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## 6.29 Social Studies of Medicine

### 6.29.1 Location

3647 Peel Street, Room 207  
Montreal QC H3A 1X1

Telephone: 514-398-6033  
Website: [www.mcgill.ca/ssom](http://www.mcgill.ca/ssom)

### 6.29.2 Core Courses

This Department contributes to the following courses: Physicianship 4 in the Senior Clerkship of the medical curriculum.

INDS 420 – Physicianship 4

### 6.29.3 Electives

The Department offers a wide range of electives in aspects of the social sciences and humanities as they relate to medicine. For details, please see the [Electives Catalogue](#).

### 6.29.4 Graduate Program

Through the Department, graduate students can obtain:

- M.A. in the History of Medicine
- M.A. in Medical /F1 10m(Thrp0.1dMy)Tj/F1 10 Tf1 0 0 1 67.52 207.181 Tm(•)Tj/F1 8.1 Tf1 0 0 1 81.693 26813ju8oen448Tm(•)Tj/Fao yse s Tm Tf1 0 cou3m

## Professors

Alberto Cambrosio; M.Env.(Sher.), Ph.D.(Montr.)

Thomas Schlich; M.D.(Marburg), Ph.D.(Freiburg) (*James McGill Professor*)

Andrea Tone; B.A.(Qu.), M.A., Ph.D.(Emory) (*Canada Research Chair in the Social History of Medicine*)

George Weisz; M.A., Ph.D.(SUNY), Dr. 3rd Cy.(Paris) (*Cotton-Hannah Professor of the History of Medicine*)

Allan Young; M.A.(Wash.), B.A., Ph.D.(Penn.) (*Marjorie Bronfman Professor in Social Studies in Medicine*)

## Associate Professors

Jonathan Kimmelman; M.A., Ph.D.(Yale) (*Biomedical Ethics Unit*)

Nicholas King; M.A., Ph.D.(Harv.) (*Biomedical Ethics Unit*)

Faith Wallis; M.A., M.L.S.(McG.), Ph.D.(Tor.)

## Assistant Professor

Jennifer Fishman; M.A.(Calif., Irvine), Ph.D.(Calif.) (*Biomedical Ethics Unit*)

Tobias Rees; M.A.(Tübingen), Ph.D.(Calif., Berk.)

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## 6.30 Surgery

### 6.30.1 Location

RVH / McGill University Health Centre – Glen Site  
1001 Décarie Boulevard, C5-2762  
Montreal QC H4A 3J1

Website: [www.medicine.mcgill.ca/surgery](http://www.medicine.mcgill.ca/surgery)

### 6.30.2 Core Courses

This Department contributes to all curriculum components.

SURG 301 Surgery - Transition to Clinical Practice

SURG 402 Surgery - Core Clerkship

In their core clerkship third year, students spend four weeks as clinical clerks in general surgery. The objectives of the surgical clerkship are the workup and management of surgical conditions. As clinical clerks, the students become a part of the surgical team, attending rounds, managing patients and wards, taking calls and becoming involved in the entire management period of their patients. During the four-week rotations, students are gi

As senior clinical clerks, the students become a part of the surgical team, attending rounds, managing patients and wards, taking calls and becoming involved in the entire management period of their patients. During the four-week rotations, students are given small group teaching on these surgical subspecialty topics.

### 6.30.3 Surgery Faculty

#### Chair

G.M. Fried (*Edward W. Archibald Professor*)

#### Emeritus Professors

A.R.C. Dobell

C.A. Laurin

A.R. Poole

H.R. Shibata

#### Professors

J. Antoniou

A.G. Aprikian

J.S. Barkun

F. Bladou

J.D. Bobyne

J.F. Boileau

M. Boutros

P. Brodt

J. Corcos

M. Elhilali

L. Feldman

P.H. Gordon

R.C. Hamdy

E.J. Harvey

J.-M. Laberge

R.G. Margolese (*Herbert Black Professor of Surgical Oncology*)

S.H. Meterissian

P.M. Metrakos

J.E. Morin

D.S. Mulder (*H. Rocke Robertson Professor of Surgery*)

A. Philip

L. Rosenberg

D. Shum-Tim

R. St-Arnaud

H. Stern

S. Tanguay

J.I. Tchervenkov

M. Tanzer

C.I. Tchervenkov

A. Turnbull

## Professors

R. Turcotte

M.J. Wexler

H.B. Williams

A. Zini

## Associate Professors

R. Aggarwal, M. Basik, L.R. Bégin, O.W. Blaschuk, S. Carrier, R. Cecere, P. Chan, P. Chaudhury, S. Chevalier, L.P. Coughlin, B. de Varennes, P. Fata, F. Fassier, L. Ferri, W. Fisher, D.M. Fleischer, S. Fraser, M. Gilardino, L. Haglund, K. Khwaja, K. Lachapelle, Y. Langlois, M.P. Laplante, J. Lapointe, L. Lessard, A.S. Liberman, A. Loutfi, A-N. Meguerditchian, C.A. Milne, J. Montes, J.-F. Morin, J.S. Mort, F. Mwale, S. Paraskevas, P. Puligandla, J. Sampalis, G. Schwarz, T. Steffen, O.K. Steinmetz, R. Tabah, T. Taketo, M.P. Thirlwell, M. Vassiliou, D. Zukor

## Assistant Professors

C.Z. Abraham, D. Anderson, M. Anidjar, S. Andonian, O. Arena, J. Atkinson, A. Beckett, T. Benaroch, S. Bergeron, S. Bergman, G.K. Berry, J.F. Boileau, G. Brabant, B. Brenner, A.D. Brzezinski, M. Burman, L. Campeau, G. Capolicchio, R. Charbonneau, P. Charlebois, R. Chaytor, M. Chevrette, M.S. Chughtai, T. Chughtai, L.B. Conochie, M.M. Corriveau, O. Court, R.J. Crépeau, D.M. Cunningham, D. Deckelbaum, S. Demyttenaere, A.M. Derossis, R. Dimentberg, T. Dionisopoulos, A. Dragomir, D.M. Eiley, A. El-Hakim, M.T. El-Sherbini, C. Emond, P. Ergina, J. Faria, L. Ferri, J. Garzon, G. Ghitulescu, H. Gill, K. Goulding, J. Grushka, O. Huk, S.A. Jacobson, P. Jarzem, R. Jednack, J. Johansson, K.M. Johnston, W. Kassouf, J. Keyserlingk, E. Lee, E.M. Lenczner, M. Luc, K. MacKenzie, R.J. Marien, P. Martineau, K. Matthews, B. Mitmaker, E. Mitmaker, R.V. Moralejo, N. Morin, C. Mueller, F. Nader

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\*](#)

activities will be considered. Awarded by the Faculty of Medicine Scholarships Committee and renewable provided the holder maintains an academic standing satisfactory to the Committee.

Estimated value: \$6,500.

#### **Livingstone-Friedman Scholarship in Medicine**

Established in 2007 by Professors Sydney Friedman, B.A. 1938, M.D.,C.M. 1940, M.Sc. 1941, Ph.D. 1946, and Constance Friedman, B.Sc. 1941, M.Sc. 1942, Ph.D. 1948. Awarded by the Faculty of Medicine to a student entering the M.D.,C.M. program; this scholarship is intended to encourage the student's fuller enjoyment of the cultural environment of the University and city.

Estimated value: \$5,000.

#### **Marjorie Hampson Entrance Scholarship**

Established in 2010 by Lawrence G. Hampson, B.Sc. 1947, M.D.,C.M. 1949, M.Sc. 1953, Dip. Surgery 1955, in memory of his wife Marjorie Hampson. It is awarded to an outstanding undergraduate student entering the Faculty of Medicine.

Value: varies.

#### **Medicine Faculty Entrance Scholarship**

Established through the generous donations of graduates and friends of McGill University's Faculty of Medicine, for distinguished students entering the McGill four-year undergraduate program.

Value: \$5000.

#### **T.F. Rose Entrance Scholarship**

Established in 2010 through the generous bequest of Sylvia Rose, honouring the wishes of her late husband, T.F. Rose, M.D.,C.M. 1943, for outstanding undergraduate students entering the Faculty of Medicine. Awarded on the basis of academic merit by the Faculty of Medicine.

Value: varies.

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## **7.2 Research Awards**

For more information, contact [rbursary.med@mcgill.ca](mailto:rbursary.med@mcgill.ca).

#### **Aurore Picard Bursary**

A bequest from the late Aurore Picard provides an annual medical research bursary for a meritorious student. Awarded by the Faculty Scholarships Committee.

#### **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 Scholarships Committee to a medical student who undertakes a research project with preference to the field of genetics.

Value: varies.

#### **Dr. Clarke K. McLeod Memorial Scholarship Fund**

Established in 1979 by a bequest from Dr. Clarke K. McLeod, M.D.,C.M., 1927 to provide scholarships for undergraduate medical students.

#### **Dr. Harry I. Cramer Research Scholarship**

Established in 2009 by the generous bequest of the late Harry I. Cramer, B.Com. 1933, in honour of his late cousin, Dr. Harry I. Cramer, B.Sc. 1934, M.D. 1937, to support students in the Faculty of Medicine conducting research in the areas of oncology or diabetes.

**George Cor**



Income from a bequest of \$100,000 from the late Dr. Henry Albert Beatty provides scholarships for undergraduate and graduate students in the Faculty of Medicine. For students who hold or are working towards the McGill M.D.,C.M., the award may be held at any approved institution in Canada or abroad. For other qualified students, the award must be held at McGill. The holder is expected to devote the year of tenure either to research or to some form of special training excluding the normal training towards the M.D.,C.M. and excluding any of the years of residency training required in the Diploma courses.

**Victor Dzau and Ruth Cooper-Dzau Research Bursary**

Established by Dr. Victor Dzau, B.Sc. 1968, M.D.,C.M. 1972, and Ruth Cooper-Dzau, B.Phys.Ther. 1972, to support undergraduate students in the Faculty of medicine conducting research under the guidance of a professor during the summer months. Awarded annually by the office of the Associate Dean, Research Office, of the Faculty of Medicine to undergraduate students in their 1st and 2nd year of a four-year medical or nursing or physical and occupational therapy degree program. Preference will be given to medical students.

Value: varies; may be divided to fund more than one student.

**William V. Victor Award**

Established in 2000 by Laura Victor, B.A. 1932, in memory of her husband, William V. Victor, B.Com. 1931, F.C.A. Awarded by the Faculty of Medicine 0 1 509.017

A fund of \$2,000 established in 1977 by family and friends in memory of the late Allan Jay Solomon, M.D.,C.M. The income provides an annual award tenable in any year; awarded for distinguished academic standing and financial need.

**Anjna Majhail Entrance Bursary**

Established in 2007 by Anjna Majhail, M.S.W. 1972. Awarded by the Scholarships and Student Aid Office to full-time undergraduate students entering the Faculty of Medicine, 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**

A bequest from the estate of the late C.F. Bellam and awarded on the basis of financial need to students from Stanstead County, Quebec.

**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 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 by the late Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. Tenable in the second, third, or fourth year; and awarded on the basis of distinguished academic standing and financial need to an applicant who intends to enter surgical practice. The recipient in any session may reapply for the following year.

**Chancellor Ferrier Memorial Bursary**

Established by Mrs. Herbert V. Lacey in memory of her great-grandfather, Senator James Ferrier, Chancellor of McGill from 1884 to 1889. Awarded by the Scholarships and Student Aid Office on the basis of academic standing and financial need, with preference to students from the State of Wyoming.

**Charles James and Frances A. Snow Memorial Bursary**

Established in 1998 by a bequest of Frances A. Snow to assist needy students in the pursuit of their medical studies. A

**Class of Medicine 1972 Bursary**

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

**Dr. Maude E. Seymour Abbott Scholarships**

Established in 1938 in honour of the late Maude E. Abbott, B.A., M.D., F.R.C.P.(Canada), LL.D.(McGill), to commemorate her distinguished work in connection with the history of Canadian medicine, the Sir William Osler Pathological Collection, and her outstanding research in congenital cardiac disease. Awarded by the Scholarships and Student Aid Office to undergraduate medical students on the basis of academic standing and financial need.

**Dr. Maurice Brodie Memorial Scholarship**

Established in 1993 by Edna S. Brodie in memory of her husband, Dr. Maurice Brodie, M.D. 1928. Awarded on the basis of academic standing and financial need by the Scholarships and Student Aid Office to undergraduate students in the Faculty of Medicine.

**Dr. Milton C. and Nina E. Wilson Award**

Established in 1970 by a bequest from the late Milton C. Wilson. The annual income provides support for Undergraduate or Postgraduate students in the Faculty of Medicine who are in financial need.

**Dr**

Estimated value: \$5,000 each; renewable.

**Hyman Druckman Bursary**

Established in 1998 by a bequest from Hyman Druckman. Aw

Established in 2003 by Mark J. Cohen, M.D.,C.M. 1992, for M.D.,C.M. students in the Faculty of Medicine. Awarded by the Scholarships and Student Aid Office on the basis of financial need to one or more students in good academic standing.

**Martha Jane Poulson Memorial Scholarship**

Established in 2002 by the Class of Medicine 1980 to honour the memory of Martha Jane Poulson, M.D.,C.M. 1980. Dr. Poulson exemplified excellence in the practice of both the art and science of Medicine. She also had a remarkable commitment to developing her skills and sensitivities in the arts and humanities. As a concert pianist, singer, and leader in her community, she overcame physical adversity with emotional and spiritual strength that awed her friends and colleagues. Aw

The income from a bequest of Robert Rolf Struthers (Medicine 1918) provides support for a needy Canadian student entering third-year Medicine. Awarded by the Scholarships and Student Aid Office.

**Robert Sharwood Memorial Scholarship**

Tenable in any year of the undergraduate course in Medicine. It is awarded by the Scholarships and Student Aid Office on the basis of distinguished academic standing and financial need.

**Rubin Becker Bursary**

Established in 2013 by Salvatore Guerrera and other grateful patients, in honour of Rubin Becker, B.Sc. 1972, M.D.,C.M. 1976, to support one or more full-time students in the Faculty of Medicine. Awarded by the Scholarships and Student Aid Office on the basis of good academic standing and demonstrated financial need.

**Samuel Eidlow Memorial Bursary**

Established for worthy medical undergraduate students with financial need.

**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. 1952, 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 Mrs. 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 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. 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.

**Walter J. Hoare Memorial Scholarship**

Endowed by the late Dr. Charles W

Established in 1973 by a bequest from the late David M. Caldwell, M.D. 1919, to assist students in the Faculty of Medicine, with preference to American students.

**George W. Merck Memorial Loan Fund**

Established in 1960 by the Merck Company Foundation to provide loans for undergraduate medical students, interns, and residents.

**Gertrude Mudge Memorial Student Aid Fund**

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. It provides loans up to a maximum of the tuition fees in any one year. Available to students in good standing and with financial need. Application and regulations are as for other loan funds of the University.

**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 \$700 per year.

**Weston Fay Volberg Jr. Memorial Loan Fund**

Established in 1956 by classmates of the late Weston Fay Volberg Jr., M.D.,C.M. 1953. It is available to medical students.

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## 7.5 Undergraduate Medicine Awards, Prizes, and Medals

For more information, contact [studentrecords.med@mcgill.ca](mailto:studentrecords.med@mcgill.ca).

### 7.5.1 YEAR 1: FMD 1

**Epidemiology Book Prize**

Awarded to the student who obtains the highest standing in the Epidemiology of Molecules to Global Health Block A; Year 1 of the medical curriculum.

**F. Slater Jackson Prize**

Founded by Mr. and Mrs. H.F. Jackson in memory of their son, the late F. Slater Jackson, M.D. Awarded to the student with the highest standing in Block A: Molecules to Global Health.

Value: varies.

**James Q. Bliss Annual Book Award**

Awarded to the student who obtains the highest standing in the Renal Block E.

Value: varies.

**Joseph Hils Prize**

Movement Block H.

Value: varies.

**Mary and Louis Streicher Prize**

Established in 1980, awarded to the student with the highest standing in the Digestion and Metabolism Block D.

Value: varies.

**Samuel Rosenfeld Prize**

Awarded to the student with the highest standing in the Defense Block F.

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 Block E.

Value: varies.

### 7.5.2 YEAR 2: FMD 2

**Carlo Bos Prize**

Established in 1991 who obtains the secoz.(yo6o.018.693 86.662 id M(Carlo198 hu Enerns, andpectlispucj1 0 0 1 108.261 357.721..661C Tm1 007hed i0 1 108.261





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 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.

Established in memory of Dr. Elizabeth Ann Gordon. Awarded to the member of the graduating class who, in the opinion of the Faculty and students, embodies the highest qualifications to practise medicine and has demonstrated outstanding leadership abilities.

Value: varies.

**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.

Value: varies.

**J. Francis Williams Prize in Medicine and Clinical Medicine**

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

Value: varies.

**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. 1955, M.D.,C.M. 1959. Awarded annually by the Faculty of Medicine to a graduating medical student with the highest mark in the family medicine clerkship.

Value: varies.

**McGill Alumnae Society Prize**

Presented upon graduation to a distinguished student for excellence and high academic standing. Preference given to women students.

Value: varies.

**Mona Bronfman Sheckman Prize**

Awarded to the student with the highest academic standing in Psychiatry.

Value: varies.

**Montreal Children's Hospital Student Prize for Pediatrics Excellence**

Established in 1959 and endowed in 2011 by Dr. Harvey Guyda, former Chair of the department of Pediatrics and Associate Executive Director of the Montreal Children's Hospital of the MUHC. Awarded to the student with the highest standing in Pediatrics in their final year.

Value: varies.

**Newell W. Philpott Award**

Established in 1986 by the Department of Obstetrics and Gynecology in honour of Newell W. Philpott, M.D. 1926, Chairman of the Department from 1943 to 1956. This award is to commemorate Dr. Philpott's excellence as a teacher of medical students and residents as well as his many contributions in the field and to the Department of Obstetrics and Gynecology. Awarded to a graduating student for academic achievement and clinical excellence on the recommendation of the Department.

Value: varies.

**Psychiatry Prize**

Awarded on the recommendation of the Department of Psychiatry to the student who has shown the most promise in this field.

Value: varies.

**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 towards patients.

Value: varies.

**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: varies.

**Ronald Douglas Naymark Award**

Established by the Medical Class of 1984 in memory of Ronald Douglas Naymark, B.Sc. 1980, M.D.,C.M. 1984 (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 and confidence, optimism and enthusiasm in his or her medical colleagues. The individual is a participant in class activities and is in satisfactory academic standing.

Value: varies.

**Scriver**

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.

### 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.

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## 8 Programs of Study, Admission, and Curriculum

If there is any discrepancy between the information presented here and that presented at [www.mcgill.ca/medadmissions](http://www.mcgill.ca/medadmissions), the latter will prevail.

*Some information is available in both English and French here and at [www.mcgill.ca/medadmissions](http://www.mcgill.ca/medadmissions).*

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### 8.1 About Medical Programs

#### 8.1.1 Location

##### **Faculty of Medicine**

Administrative Offices  
3605 de la Montagne Street  
Montreal QC H3G 2M1  
Canada  
Website: [www.mcgill.ca/medicine](http://www.mcgill.ca/medicine)

##### **Educational Services**

McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler, Room 601  
Montreal QC H3G 1Y6  
Canada  
Website: [www.mcgill.ca/medicine/medicaleducation](http://www.mcgill.ca/medicine/medicaleducation)

##### **General Information**

Administrative Offices: 514-398-3515  
Educational Services: 514-398-1768  
Admissions Information: 514-398-3517  
Website: [www.mcgill.ca/medicine/about/contact](http://www.mcgill.ca/medicine/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

Please refer to the [section 1: Medicine](#) faculty section for information about the Faculty of Medicine, its mission, and its objectives.



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



While the Faculty's administration exercises a general supervision of arrangements for postgraduate applications, the Faculty of Medicine does not assume the responsibility for providing residencies for students.

#### **Four-Year Program (Fall 2015 – Class of 2019) (199-203 credits)**

Note 1: For Fall 2014 - Class of 2018 and earlier, please refer to the 2014-2015 (or earlier) Health Sciences Calendar at <http://www.mcgill.ca/students/courses/calendars>.

Note 2: The Core and Senior Clerkship has been revised effective July 1, 2015. For details, see <http://www.mcgill.ca/new-mdcm>.

#### **Required Courses (199 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 119J1	(1)	Clinical Method 1
INDS 119J2	(1)	Clinical Method 1
INDS 119J3	(1)	Clinical Method 1
INDS 122J1	(.667)	Physician Apprenticeship 1
INDS 122J2	(.667)	Physician Apprenticeship 1
INDS 122J3	(.666)	Physician Apprenticeship 1
INDS 123J1	(1)	Research Fundamentals 1
INDS 123J2	(1)	Research Fundamentals 1
INDS 123J3	(1)	Research Fundamentals 1
INDS 124J1	(1)	Longitudinal Family Medicine 1
INDS 124J2	(1)	Longitudinal Family Medicine 1
INDS 124J3	(1)	Longitudinal Family Medicine 1
INDS 125J1	(0)	Reflection and Examination
INDS 125J2	(0)	Reflection And Examination
INDS 125J3	(0)	Reflection and Examination
INDS 211	(6)	Reproduction and Sexuality
INDS 212	(12)	Human Behaviour
INDS 219	(1.5)	Clinical Method 2
INDS 222J1	(.5)	Physician Apprenticeship 2
INDS 222J2	(.5)	Physician Apprenticeship 2
INDS 222J3	(.5)	Physician Apprenticeship 2
INDS 223	(1.5)	Research Fundamentals 2

Community Health Alliance Project - C.H.A.P

**Transition to Clinical Practice**

ANAE 301	(2)	Anesthesia - Transition to Clinical Practice
FMED 301	(3)	Family Medicine - Transition to Clinical Practice
IMED 301	(6)	Internal Medicine - Transition to Clinical Practice
INDS 300	(1.5)	Mindful Medical Practice - Transition to Clinical Practice
INDS 302	(1.5)	Medical Ethics & Health Law-Transition to Clinical Practice
INDS 323	(0)	Integrated Assessment - Transition to Clinical Practice
NEUR 301	(2)	Neurology - Transition to Clinical Practice
OPHTH 300	(1)	Ophthalmology - TCP
PAED 301	(2)	Pediatrics - Transition to Clinical Practice
RADD 301	(1)	Radiology - Transition to Clinical Practice
SURG 301	(4)	Surgery - Transition to Clinical Practice

**Core Clerkships**

ELEC 400	(4)	Elective 1 - Clerkships
FMED 405	(8)	Family Medicine - Core Clerkship
IMED 401	(8)	Internal Medicine - Core Clerkship
INDS 305	(1)	Transition to Clerkship
	(.5)	Formation of the Professional and Healer

**Elective Course (0-4 credits)**

ELEC 300                      (4)                      Elective

**Interprofessional Education Activities (IPEAs)**

These required non-credit activities address the competencies for interprofessional practice across the health professions such as professional roles, communication, collaboration in patient-centered care, and conflict resolution. Students will be advised at the beginning of each term which activities they should register for.

**Educational Goals of the Curriculum**

The primary focus of the undergraduate program is to teach and help the students apply core knowledge, skills, and attitudes required of a medical professional. The objectives of the program are organized by CanMeds roles and are available in detail on the Undergraduate Medical Education website [www.mcgill.ca/ugme](http://www.mcgill.ca/ugme).

The program will emphasize the fundamental sciences and scientific methodology as pillars of medical knowledge. It will promote and provide opportunities for participation in research and other scholarly activities contributing to the development of new knowledge. It will nurture and enhance an understanding of the meaning of, as well as the personal qualities and values essential to the Ph







- The applicant must have a minimum R Score of 28 or equivalent university CGPA.

The four PFMPNIQ 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 the First Nations and Inuit Faculties of Medicine Program of Quebec (FNIFMPQ), please contact:

Yves Sioui  
 FNI Faculties of Medicine Coordinator FNQLHSSC  
 Université Laval FNQLHSSC  
 Office: 418-842-1540, ext. 235  
 Université Laval Office: 418-656-2131, ext. 3641  
 Email: [yves.sioui@csspnl.com](mailto:yves.sioui@csspnl.com)  
 Website: [www.jedeviensmedecin.com](http://www.jedeviensmedecin.com)

Candidates in this category with a university degree or partial completion of a university program can apply for the M.D.,C.M. program. The Admissions Committee may require a preparatory year as a condition of admission. Candidates who have not started university-level studies must apply for the Med-P program. A bachelor's degree is required for application to the joint programs. Assessment of academic strength is based on the academic record in conjunction with the curriculum vitae.

#### Non-Traditional Pathways University-Level Applicants

A select number of positions are available to residents of Quebec who have pursued a non-traditional pathway in their journey to the career choice of medicine. Applicants to these positions are generally mature students who have spent a period of time in the workforce.

Eligibility requirements:

- Québec residency status fully established by the application deadline (November 1);
- Applicant must hold a complete undergraduate (bachelor's) degree by July 31 of the entering year of medicine per the educational requirements WITH THE FOLLOWING EXCEPTION:
  - the undergraduate degree used as the basis of admission may have been completed on a part-time basis.
- Applicant is not eligible to apply in any other applicant category;
- Applicant meets all other admission requirements and conditions for medical programs WITH THE FOLLOWING EXCEPTIONS:
  - NTP applicants may apply for admission with partially complete (minimum of four of seven required prerequisite courses) and/or out-of-date (more than eight years from the date of application) basic science prerequisites. Any or all of the four required courses could be out of date.



**Note:** Applicants with no basic science prerequisites whatsoever will not be considered.

Successful NTP applicants will be admitted to a Qualifying year to be undertaken chiefly in the Faculty of Science. NTP students in the Qualifying year must maintain a cumulative grade point average of at least 3.5, with no grades lower than a B in order to continue on into the four-year M.D.,C.M. program.

For more details, please consult the [Admissions, Equity and Diversity Office](#) website.

#### International Medical Graduates (with Advanced Standing)

The Faculty of Medicine accepts applications from international medical graduates (IMG), i.e., applicants who have obtained a recognised medical degree outside Canada or the United States, who are also residents of Quebec. Applications will be accepted from qualified international medical graduates (from a University outside of Canada or the U.S.) in September 2015, for May 2016 entry.

Successful IMG applicants will enter the program at the Transition to Clinical Practice (TCP) component, starting in May and will continue into the clerkships and graduate with an M.D.,C.M. degree from McGill.

The number of positions available is contingent on the number of attritions from previous years and will vary; there may be years when no positions are available.

To be eligible, applicants must hold a medical degree from an accredited medical school recognized by the World Health Organization, must successfully complete the Medical Council of Canada Evaluating Exam Part 1 (MCCEE1), must provide a Medical Student Performance Record together with an academic transcript, and must provide proof of English or French proficiency (see [section 5.2.2.1: Proof of Proficiency in English](#) and/or [: Language Requirements for Professions](#)). Applicants must meet the basic science requirements and meet all other essential requirements listed. Competitive applicants will have MCCEE 1 scores that are at least 50 points higher than the passing grade.

Applicants who do not meet these conditions of eligibility or are seeking alternative options should contact the *Collège des médecins*.

Interviews are by invitation only and are conducted in a multiple mini-interview (MMI) format.



Where valid MCAT results are submitted for the 2014 MCAT and earlier, the Biological Sciences, Physical Sciences, and Verbal Reasoning sections will be used.

Results in all categories from the 2015 MCAT will be considered.

#### Academic Context

Consideration is given to the overall academic record as represented in the DegGPA, as well as the distribution of course levels, graduate studies, and pursuit of professional programs, as evidenced in the official academic records.

Students are encouraged to pursue challenging and diverse topics, to have a progression in their course selection, and are generally expected to pursue a full course load in each of their regular sessions.

#### CEGEP Performance for Med-P Applicants

Academic performance in CEGEP for candidates applying to the Med-P program is assessed with the overall R-score (*Cote R; cote de rendement collégiale*) and the science R-score. Successful applicants generally have an R-score above 34.0 (average approximately 35.5). Applicants with a R-score below 32.0 are rarely considered to be competitive.



**N.B.:** Where there are more competitive applicants than there are available positions, preference will be given to those candidates advancing the strongest evidence of an ability to handle the academic demands of our medical program.

### 8.3.4 Non-Academics

The Admissions Committee attends not only to academic performance, but also to non-academic qualities. For the preliminary screening of candidates (short listing for interviews), non-academic qualities are assessed by way of the combined curriculum vitae and personal narrative. For candidates selected for interviews, non-academic qualities are assessed according to their performance in the multiple mini-interviews. These qualities include, but are not limited to:

1. compassion, empathy, care
2. insight, judgment, common sense
3. integrity, honesty
4. adaptability, tolerance, flexibility
5. creativity, innovation
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 : *Catégories des postulants*. 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, Equity and Diversity* 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 academic performance of a given application in comparison to others in the same cohort. On the basis of this preliminary academic 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 calculated as follows:

#### M.D.,C.M. applicants:

Multiple Mini-Interviews: 80%;

Basic Science performance: 20%.

#### Med-P, IMG, and NTP applicants:



- The criteria for selection will be the same for these candidates as for those candidates applying to the M.D.,C.M. program with a Bachelor's degree. The international medical degree (and its grade point average (GPA)) will be the degree used as the basis of admission.
- The Medical Council of Canada's Equivalence Examination is an acceptable alternative to the MCAT in this case.



**Note:** Canadian citizens or landed immigrants who are international medical graduates and residents of Quebec, who have completed the equivalence requirements, and have received a letter of attestation to this effect from the *Collège des médecins du Québec* should contact the [Postgraduate Medical Education](#) office.

#### 8.4.2 Basic Science Prerequisites

Applicants must have successfully completed, by January 15, 2016, all of the following at a college or university level:

1. in **Biology / Biological Sciences** a minimum six (6) credits of introductory coursework, with labs;
2. in **Chemistry** a minimum six (6) credits of general (or physical) chemistry coursework, with labs; a minimum three (3) credits of organic chemistry coursework, with labs;
3. in **Physics** a minimum six (6) credits of introductory coursework, with labs;

where: minimum course hours do not include compulsory laboratory or practical work. Grades of "Pass/Fail" (Satisfactory/Unsatisfactory) or of similar schema are not acceptable in coursework (numerical or letter-class grades are required).

Academic performance in these courses will be considered; courses completed more than eight (8) years before the application deadline will not be considered; distance or correspondence education courses are acceptable only by special permission and at the discretion of the Office of Admissions, Equity and Diversity (Faculty of Medicine).

#### 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:

- Candidates applying via the Non-Traditional pathway (NTP)
- 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's Equivalence Exam (MCCEE1) 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 program are also not required to submit MCAT scores.

##### MCAT Optional

Applicants applying to the M.D.,C.M. program whose basis-of-admission degree was awarded by a Canadian university who are NOT applying via the Non-Traditional pathway and who are NOT submitting an MCCEE1 score, may choose to submit an MCAT score.

##### 8.4.3.1 About the MCAT

Information regarding the MCAT, including testing dates, locations, and preparation materials can be obtained from the [American Association of Medical Colleges \(AAMC\)](#). Test takers are required to read through the MCAT Essentials document. Be aware that registration for the computer-based test is limited. We suggest that you inquire about registration as early as possible.

##### 8.4.3.2 Submitting Your Results

MCAT results must be released to and received by the Office of Admissions, Equity and Diversity by the relevant application deadline. Please consult with the MCAT administrators, the [Association of American Medical Colleges \(AAMC\)](#), to arrange for the release of your scores electronically (preferred method). Paper result reports are only accepted by the Office of Admission, Equity and Diversity under exceptional circumstances and at its discretion.

##### Consideration of MCAT Results

MCAT results dating more than five (5) years from the relevant application deadline will not be considered. MCAT results received after the relevant application deadline will not be considered.

The Admissions Office will consider the highest overall result set of available valid sets (sittings) and will not consider the individual subset scores from separate sets. All three numerical sections—the Biological Sciences (BS), Physical Sciences (PS), and Verbal Reasoning (VR)—are considered for 2014 tests and earlier. All sections of the 2015 MCAT test will be considered.

Where valid MCAT results are submitted, results will be considered in conjunction with the SciGPA when determining the Basic Science Performance (50/50 weighting).

If you have the option to submit your MCAT results, it is recommended to do so only if you are confident that your MCAT results provide better evidence of performance in basic sciences (as compared with your GPA in basic science prerequisite courses). For details, consult the *Assessing Academic Strength* section of the following website: [www.aamc.org/students/applying/mcat](http://www.aamc.org/students/applying/mcat).

#### 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 (200.B0);
  - 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. must 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)



3. The applicant must have a minimum R-score of 28 or equivalent university CGPA.

The four FNIFMPQ 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.

When applying to McGill University, applicants with First Nations or Inuit status may choose whether or not to declare their status. By declaring and confirming their status as a member of the First Nations or Inuit of Quebec, applicants will be eligible and considered for admission via the FNIFMPQ program, which is administered externally to McGill University. They will also be considered by McGill University as a candidate in the Quebec resident cohort, per the admissions procedures. It is thus possible for a candidate's application to be processed for both contingents in parallel. Please note that the criteria for the two admissions processes are distinct.

Applicants who elect not to declare their First Nations or Inuit status will be considered by McGill University as a candidate in the Quebec resident cohort, per the admissions procedures.

For more information on the Quebec First Nations and Inuit Faculties of Medicine Program (FNIFMPQ), please contact:

Mr. Yves Sioui  
 Coordinator for the Quebec FNIFMP  
 FNI Faculties of Medicine Coordinator FNQLHSSC  
 Université Laval FNQLHSSC  
 Office: 418-842-1540 (ext. 235)  
 Fax: 418-842-7045  
 Université Laval Office: 418-656-2131, ext. 3641  
 Email: [yves.sioui@csspnl.com](mailto:yves.sioui@csspnl.com)  
 Website: [www.jedeviensmedecin.com](http://www.jedeviensmedecin.com)

Candidates in this category with a university degree or partial completion of a university program can apply for the M.D.,C.M. program. The Admissions Committee may require a preparatory year as a condition of admission. Candidates who have not started university-level studies must apply for the Med-P program. A Bachelor's degree is required for application to the joint programs. Assessment of academic strength is based on the academic record in conjunction with the curriculum vitae.

#### 8.4.6 For Non-Traditional University-Level Applicants



**Note:** This section is subject to change. For updated information, students should refer to the Faculty of Medicine website at [www.mcgill.ca/medadmissions](http://www.mcgill.ca/medadmissions).

A select number of positions are available to residents of Quebec who have pursued a "non-traditional" pathway in their journey to the career choice of medicine. Applicants to these positions are generally mature students who have spent a period of time in the workforce. Eligibility requirements:

1. Québec residency status must be fully established by the application deadline (November 1);
2. Applicant must hold a complete undergraduate (bachelor's) degree by July 31 of the entering year of medicine per the aforementioned academic criteria requirements WITH THE FOLLOWING EXCEPTION:
  - the undergraduate degree used as the basis of admission may have been completed on a part-time basis.
3. Applicant is not eligible to apply in any other applicant category;
4. Applicant meets all other admission requirements and conditions for medical programs WITH THE FOLLOWING EXCEPTIONS:
  - NTP applicants may apply for admission with partially complete (minimum of four of seven required prerequisite courses) and/or out-of-date (more than eight years from the date of application) basic science prerequisites. Any or all of the four required courses could be out of date.



**Note:** Applicants with no basic science prerequisites whatsoever will not be considered.

Successful NTP applicants will be admitted to a Qualifying year to be undertaken chiefly in the Faculty of Science. NTP students in the Qualifying year must maintain a cumulative grade point average of at least 3.5, with no grades lower than a B in order to continue on into the 4-year M.D.,C.M. program.

For more details, please consult the [Admissions, Equity and Diversity Office](#) website.

#### 8.4.7 Advanced Standing for International Medical Graduates

The Faculty of Medicine accepts applications for Advanced Standing placement from **international medical graduates** (IMG): Quebec residents who have obtained a recognised medical degree outside Canada or the United States.

Applicants admitted via this category will have the requirements for the Fundamentals of Medicine and Dentistry (FMD) of the M.D.,C.M. program waived and will enter the program at the Transition to Clinical Practice (TCP) component (which is part way through the second year of the standard program). Thus, successful applicants will begin their studies the May following their application (*i.e.*, candidates who submitted applications in November 2015 will be considered for May 2016 entry). Successful students will continue into the clerkships, and graduate with an M.D.,C.M. degree from McGill.



**Note:** Please note that in some circumstances, IMG applicants can be considered for entry into the first year of the program and apply with their medical degree as their basis of admission degree in the Quebec cohort. Please see [section 8.4: Eligibility Requirements](#) for more information.

The number of positions available for Advanced Standing placement is contingent on the number of attritions from previous years and will vary; there may be years when no positions are available.

To be eligible, applicants must hold a medical degree from an accredited medical school recognized by the *World Health Organization*, must successfully complete the *Medical Council of Canada Evaluating Exam Part 1* (MCCEE1), must provide a Medical Student Performance Record together with an academic transcript, and must provide proof of English or French proficiency (see [section 5.2.2.1: Proof of Proficiency in English](#) and/or : [Language Requirements for Professions](#)). Applicants must meet the basic science requirements and meet all other essential requirements listed. Competitive applicants will have MCCEE 1 scores that are at least 50 points higher than the passing grade.

**Grounds to Request Reconsideration:**

An applicant may request a reconsideration of application review procedures leading to a decision (granting of interviews, offer of a position) on the basis of the following grounds:

1. administrative error in the procedure applied to the evaluation of the application;
2. the Admissions Committee's decision was rendered in the absence of a rele

The Faculty will not credit courses successfully completed before the official start in the medicine program with the exception of International Medical Graduates (IMG).

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## 8.6 Requirements for Registration and Matriculation



**Note:** Applicants to the Faculty of Medicine 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 for the first two years of undergraduate medical education (March of admitting year). Certification must be granted, or fully recognised, by one of the following organizations:

- *Canadian Heart and Stroke Foundation*
- *Quebec Heart and Stroke Foundation*
- *Canadian Red Cross*
- *St. John Ambulance*
- *American Heart Association*
- *American Red Cross.*

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#### **8.6.4 Registration with the Collège des Médecins du Québec (CMQ)**

All students studying medicine in a university of the province of Quebec are required by law to register with the *Collège des médecins du Québec* (CMQ)



#### **8.7.4 Requirements for License**

Candidates accepted for admission are reminded that it is their personal responsibility to ensure that they fulfil all the licensing requirements of the country in which they intend to practise medicine. A university degree does not confer the right to practise. In each province of Canada, in each state of the United States, and in all other countries, the authority to license is vested in a licensing body which has its own special laws and requirements. In many cases, a special standard of general education is insisted upon before beginning the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years or more before a licence to practise can be obtained.

Candidates accepted for admission should therefore communicate as soon as possible with the licensing body of the country



**College of Physicians and Surgeons of Ontario**

80 College Street  
Toronto ON M5G 2E2 Canada  
Telephone: 416-967-2603 (General Inquiries)  
Toll-Free: 1-800-268-7096 ext. 603  
Fax: 416-961-3330  
Website: [www.cpso.on.ca](http://www.cpso.on.ca)

**The College of Physicians and Surgeons of Prince Edward Island**

14 Paramount Dr.  
Charlottetown PE C1E 0C7 Canada  
Telephone: 902-566-3861  
Fax: 902-566-3986  
Website: [cpspei.ca](http://cpspei.ca)

**Collège des médecins du Québec**

2170 René-Lévesque Boulevard West  
Montreal QC H3H 2T8 Canada  
Telephone: 514-933-4441  
Toll-Free: 1-888-633-3246  
Fax: 514-933-3112  
Email: [info@cmq.org](mailto:info@cmq.org)  
Website: [www.cmq.org](http://www.cmq.org)

**College of Physicians and Surgeons of Saskatchewan**

101 - 2174 Airport Drive  
Saskatoon SK S7L 6M6 Canada  
Telephone: 306-244-7355  
Fax: 306-244-0090 (General)  
Website: [www.cps.sk.ca](http://www.cps.sk.ca)

**Medical Council of Canada**

2283 St. Laurent Blvd. Suite 100  
Ottawa ON K1G 5A2 Canada  
For inquiries on Medical Council of Canada (MCC) examinations  
Telephone: 613-520-2240  
Fax: 613-248-5234  
Email: [service@mcc.ca](mailto:service@mcc.ca)  
Website: [mcc.ca](http://mcc.ca)

**United States Medical Licensing Examination Secretariat**

3750 Market Street  
Philadelphia PA 19104-3102 U.S.A.  
Telephone: 215-590-9700  
Fax: 215-590-9460  
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**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 Review**

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 towards 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 Faculty

it conforms to the mission statement of the Faculty of Medicine, overall M.D.,C.M. program objectives, and the standards of relevant national organizations. It reviews curricular learning outcomes; teaching; assessment and evaluation strategies; and curricular outcomes. The committee also manages risks and assures that adequate resources—including faculty, faculty development, and evaluation—are available to fulfill the tasks set out in annual activity plans. The committee also dev



**Note:** Success on a final exit exam (one of either the *Medical Council of Canada (MCC) Qualifying Exam Part 1*, the *United States Medical Licensing Exam (USMLE) 2 CK*, or an in-house examination) is required for graduation, beginning with the Class of 2018. (*This information is subject to change*)

### **8.8.2.3 Failure of Supplemental Examinations or Remedial Rotations**

A failure in a supplemental examination or remedial rotation in Promotion Periods I, II, III, IV, and V will result in the student being required to repeat the Promotion Period or to be dismissed from the program as determined by the CSPCO. 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.**

The results of all supplemental examinations and the evaluation result of remedial clinical rotations will be recorded in the official transcripts as supplemental examinations, and will be considered as such for purposes of promotion.

#### **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.

**Note:** There is a charge for each supplemental examination. Once approval of the supplemental examination is confirmed by the Undergraduate Dean's Office Student Records Officer, the student's account will be billed. This charge is for .355 554 Tm(This char)Tm(8.8.2.3.1)Tj



- **Family Medicine and Mental Health** – this block includes:

FMED 405 Family Medicine - Core Clerkship  
PSYT 401 Psychiatry - Core Clerkship

- **Women and Child Health & Elective** – this block includes:

ELEC 400 Elective 1 - Clerkships  
PAED 401 Pediatrics - Core Clerkship  
OBGY 401 Obstetrics and Gynecology - Core Clerkship

The following courses are also included as part of the Core Clerkship during these blocks:

INDS 320J1/INDS 320J2/INDS 320J3 Formation of the Professional and Healer  
INDS 322J1/INDS 322J2/INDS 322J3 Physician Apprenticeship 3

At the end of the Core Clerkship there will be an integrated assessment course:

INDS 423 Integrated Assessment - Core Clerkship



**Note:** For selected students, the program is a one-year integrated clerkship in Gatineau/Hull or outside the city of Montreal, and also includes the Geriatric Medicine (IMED 406) course (see Senior Clerkship section below).

#### 8.8.3.3.2 Senior Clerkship



**Note:** The Senior Clerkship is currently being revised while content will be reintegrated appropriately within the new structure.

#### Senior Clerkship 2015–2016

INDS 304 Emergency Medicine - Senior Clerkships  
IMED 406 Geriatric Medicine - Senior Clerkships  
SURG 403 Surgery Sub-Specialty - Senior Clerkships  
INDS 405 Topics in Medical Science 1  
INDS 407 Topics in Medical Science 2  
INDS 420 Physicianship 4  
INDS 422D1/INDS 422D2 Physician Apprenticeship 4  
ELEC 401 Elective 2 - Clerkships  
ELEC 402 Elective 2 - Senior Clerkships  
ELEC 403 Elective 3 - Senior Clerkships  
ELEC 404 Elective 4 - Senior Clerkships  
ELEC 405 Elective 5 - Senior Clerkships

#### Senior Clerkship 2016–2017

The Senior Clerkship runs from August to April of the fourth year of the M.D.,C.M. program. It consists of three eight-week blocks followed by disciplines integrated assessments. Students are divided into three cohorts; each cohort completes all three blocks but in different orders.

IMED 407 Geriatric Medicine - Senior Clerkship  
INDS 408 Emergency Medicine - Senior Clerkship  
INDS 426 Basic Science, Medicine and Society  
INDS 421 Transition to Residency  
INDS 427 Public Health Selective  
ELEC 401 Elective 2 - Clerkships  
ELEC 402 Elective 2 - Senior Clerkships  
ELEC 403 Elective 3 - Senior Clerkships

The following Physician Apprenticeship longitudinal course will continue during Senior Clerkship:

INDS 422D1/INDS 422D2 Physician Apprenticeship 4

At the end of the Senior Clerkship there will be an integrated assessment course:

INDS 424 Integrated Assessment - Senior Clerkship

