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1 The Faculty

1.1 Location

Faculty of Medicine
Administrative Offices
McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler
Montreal, QC H3G 1Y6
Canada

General Information: (514) 398-3515
Admissions Information: (514) 398-3517
Website: <http://www.med.mcgill.ca>

1.2 Administrative Officers

ABRAHAM FUKS, B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
Dean

PHILIP R. BECK, A.B.(C'nell), M.D.,C.M.(McG.),
F.R.C.P.S.(C) **Associate Dean (Admissions)**

ALVIN SHRIER, B.Sc.(C'dia), PhD.(Dal.) **Associate Dean
(Computing and Information Technologies)**

MELVIN SCHLOSS, M.D.(Br.Col.), F.R.C.S.(C), F.A.C.S.
Associate Dean (Continuing Medical Education)

YVONNE STEINERT, B.A.(McG.), M.A.(Tor.), Ph.D.(McG.)
Associate Dean (Faculty Development)

ROBERT E. MACKENZIE, B.Sc.(McG.), M.N.S.,
Ph.D.(C'nell) **Associate Dean (Graduate Studies
and Research)**

SAM BENAROYA, B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
Associate Dean (Interhospital Affairs)

J. DONALD BOUDREAU, B.Sc.(Mt.All.), M.D.(Dal.),
F.R.C.P.(C) **Associate Dean (Medical Education and
Student Affairs)**

ANNE-MARIE MACLELLAN, B.Sc., M.D.,C.M.(McG.),
F.R.C.P.(C), C.S.P.Q **Associate Dean (Postgraduate
Medical Education and Professional Affairs)**

RICHARD LATT, D.V.M.(O.V.C.) **Director
(Animal Resources Centre)**

VIMLA PATEL, B.Sc.(Otego), M.A., Ph.D.(McG.) **Director
(Centre for Medical Education)**

DAVID S. CRAWFORD, B.A., Dip.Lib.Stud, A.L.A. **Director,
Health Sciences Library**

1.3 History

The Faculty of Medicine was established as the first faculty of McGill University in 1829. It dates its origin to 1823 when four staff members of the recently opened Montreal General Hospital founded the Montreal Medical Institution in order to offer lectures to students of medicine. In 1833, four years after the Institution became the Faculty of Medicine, William Leslie Logie was awarded the degree of Doctor of Medicine and Surgery and became the first McGill, and the first Canadian medical, graduate. In 1862 the degree was changed to its present designation, Doctor of Medicine and Master of Surgery (M.D.,C.M.) and in 1872 it was conferred upon the Fac-

Faculty are located in this building. The Royal Victoria Hospital, founded in 1887, the Strathcona Anatomy and Dentistry Building, and the Montreal Neurological Institute and Hospital are situated a half mile east of the McIntyre building while the Montreal General Hospital, relocated in 1955 from its original site south of the University, lies a half mile to the west. There are two other principal teaching hospitals, the Montreal Children's Hospital and the Sir Mortimer B. Davis-Jewish General Hospital, and seven specialty teaching hospitals. In addition, there are nine centres and units specializing in human genetics, artificial cells and organs, cancer research, host resistance, nutrition and food science, aerospace medical research, medical physics, age and aging, and in medicine, law and ethics.

1.4 Medical Societies

McGill Medical Students' Society Inc.

Mail: 655 Promenade Sir-William-Osler, 6th Floor
Montreal, QC, H3G 1Y6

Office: McIntyre Medical Sciences Building, Room 508

Telephone: (514) 398-7167 Fax: (514) 398-1789

Email: msspres@med.mcgill.ca

The Society is an association of all registered medical students. Acting through its elected council and various Faculty committees, the Society performs a number of functions:

1. to represent medical students' ideas, concerns and problems to the Faculty of Medicine, the rest of the McGill community, the government, and the public at large;
2. to promote interaction among medical students through both the Federation of Quebec Medical Student Societies and Canadian federations of medical students;
3. to attempt the advancement of new forms of learning in response to the desires of the students;
4. to collaborate with the Students' Societies of Nursing, Physical and Occupational Therapy, and Dentistry in running the "Annex", the social centre;
5. to regulate all student sporting and social events within the Faculty;
6. to publish a newspaper, *The Placebo*, for all medical students;
7. to recognize and supervise the formation and operations of affiliated student societies;
8. to attempt generally to provide the resources and personnel to meet student needs and wishes as they arise.

The M.S.S. has members on many Faculty committees, including the Curriculum Committee and the Admissions Committee. Details of all activities are easily available from the M.S.S. Office and it is hoped that all students will participate in the Society's activities.

L'Association des Étudiants en Médecine est une association de tous les étudiants inscrits en médecine. Représentée par son conseil élu et par les divers comités de la faculté, l'Association accomplit les fonctions suivantes:

1. représente les idées des étudiants, leurs soucis et leurs problèmes à la faculté de médecine, à la communauté McGill en général, au gouvernement et au public en général;
2. facilite la communication des étudiants en médecine par le biais du Fédération des Associations des étudiants en médecine du Québec et du Fédération des étudiants en médecine du Canada;
3. essaye de développer de nouveaux cours qui répondront aux désirs des étudiants;
4. collabore avec les Associations des étudiants en nursing, en ergothérapie et réadaptation, et en médecine dentaire dans la direction de "l'Annexe", notre centre social;
5. s'occupe des activités sportives et sociales des étudiants en médecine;
6. publie un journal, *The Placebo*, pour tous les étudiants en médecine.

7. reconnaît et supervise la formation et le fonctionnement d'organisations ou de sociétés d'étudiants en médecine à des fins diverses.

8. de façon générale, essaye de fournir les ressources et le personnel afin de rencontrer les besoins et les désirs des étudiants qui se font ressentir.

L'Association des étudiants en médecine a des membres sur plusieurs comités de la faculté y compris le "Curriculum Committee" et l' "Admissions Committee". Des renseignements sur nos activités peuvent facilement être obtenus au bureau de l'association et nous souhaitons ardemment que tous les étudiants participent à nos activités.

Osler Medical Aid Foundation (OMAF)

Four McGill medical students founded OMAF in 1985. Its aim is to increase awareness of international health issues, and to promote student involvement in international health programs. OMAF does

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Medical and Dental Christian Fellowship (MDCF)

In 1988, several students from Med I and II started the Medical Christian Fellowship, which has since become the MDCF. This group created a place for Christians in medical training to meet weekly for Bible study, encouraging each other in continuous spiritual growth. In addition, various speakers (doctors, faculty, medical missionaries, etc.) expose the members to different ways to effectively integrate faith and medical practice by sharing with members their experiences as Christians in the medical profession.

Ranging from Roman Catholic to Lutheran and from Greek Orthodox to Calvinist, the group covers a large spectrum of denominations and enjoys the richness in thought such a diversity brings. Even though the MDCF is an independent group, it is associated with the Christian Medical and Dental Society (CMDs), the Canada and U.S. wide organization of Christian doctors and dentists.

Medical Education Council (MEC)

"Is the education that we receive at McGill maximally preparing us for careers in medicine?" Many argue that since the implementation of the new medical curriculum by McGill in 1994, the answer to this question is "Yes". However, we also recognize that there is always room for improvement.

In order to identify areas for improvement in the curriculum, the Medical Education Council (MEC) was created. The purpose of MEC is to bring together the ideas of students from all four medical classes in the discussion of both specific changes to the curriculum and general philosophical issues of medical education. As well, this Council acts as a liaison between students and the Faculty in proposing changes to the curriculum.

So far, MEC has identified four main areas that need to be explored: community involvement, curriculum content and format, evaluations and rewards, and admissions.

Committees meet regularly during the year to discuss medical education at McGill and explore ways of implementing positive change. Proposals are then drafted and formally submitted to the Faculty. To be part of this exciting endeavour, look for announcements about the MEC. For more information, please call any of the Committee's curriculum representatives.

Medical Students' Computing Committee (MSCC)

The MSCC is responsible for managing the student tax of \$10/ student/semester for the maintenance of the computer facilities on the second floor of the McIntyre Building. The computer lab is composed of:

- 16 PC stations (Pentium 120Mhz and 233MHz) set on standard Infopoint settings (Microsoft Office, Netscape, Netscape Mail and most other basic utilities) and operating from a Windows NT server;
- 7 PowerMacs, also with basic utilities;
- 2 laser printers.

The MSCC budget is used to pay part of the salary of the computer technician who is indispensable for computer maintenance. The MSCC tests and buys medically-related software, organizes workshops on basic software and internet searching for medical students, and generally facilitates communication between students and MEDCOR. It also actively participates in the maintenance and installation of the computers in the laboratory. The Computer Committee is an fundamental arm of the Medical Students' Soci-

ence is given to graduates of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine.

KEITH HUTCHISON MEMORIAL SCHOLARSHIPS – two or more scholarships, in memory of the late Dr. Keith Hutchison. Awarded on the basis of distinguished academic standing and need; tenable in any year. The recipient in any session may re-apply for the following year.

IVES SCHOLARSHIP – established in 1967 by a bequest of the late David Fraser Murray, M.D.,C.M., 1924. Awarded on the basis of financial need with preference given to students from Nova Scotia, New Brunswick or Prince Edward Island.

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 re-apply for the following year.

JAMES GRAHAME KER AND FREDERICK K. PETRIE MEMORIAL SCHOLARSHIP – awarded to a student from Eastern Ontario (Counties of Dundas, Stormont, Glengarry, Grenville, Carleton, Russell and Prescott) or from Montreal. Based upon distinguished academic standing and financial need; tenable in second year and may be renewed.

KINCH MEMORIAL BURSARY – established by Miss Dia Joyce in memory of Mr. and Mrs. C.H. Kinch to assist medical undergraduates.

DR. ABEL LAX BURSARY – established in 2000 by Helen and Herbert Paulive in memory of Dr. Abel Lax. Awarded by the Student Aid Office to a meritorious undergraduate medical student in financial need. Value: \$2,000.

FREDERICK PENTON LOFTUS LANE BURSARY FUND – established in 1979 by a bequest from Esther M.E. Lane. Awarded by the Student Aid Office to undergraduate medical students on the basis of academic standing and financial need.

LECLERC MEDICAL STUDENT TRAVEL AWARD – established by an endowment from Dr. J.R. Leclerc who has always valued education at a high level. Income from this fund will be used to permit medical students doing summer research projects to present their work at scientific meetings. If the need arises, income can also be utilized for summer research bursaries. Awarded by the Faculty of Medicine Scholarships Committee.

LEUKEMIA RESEARCH FUND BURSARY – established in 1992 by the Leukemia Research Fund. Awarded annually by the Faculty Scholarships Committee to a medical student who participates in a summer research project in leukemia-related research at McGill University. Value: \$3,500.

DR. GABRIEL LEUNG MEMORIAL AWARD – established in 1987 by Mrs. Jane Leung and friends, through the Education Foundation of the Federation of Chinese Canadian Professionals, in memory of Dr. Gabriel Leung, who graduated from McGill with his M.D.,C.M. in 1972. Awarded by the Student Financial Aid Office to a second year medical student for achieving academic excellence or to pursue an independent research project under the direction of the Faculty. Financial need can be part of the consideration.

GUSTAV LEVINSCHI SCHOLARSHIP FUND – endowed in 1986 for needy medical students requiring assistance in the pursuit of their studies.

DR. DAVID T.W. LIN FOUNDATION SCHOLARSHIP – established in 1993 in honour of Dr. David T.W. Lin, B.Sc. (1937), M.D.(1940), O.C., Surgeon Emeritus at the Royal Victoria Hospital, Honorary President of the Montreal Chinese Hospital and a leader in the Chinese community. Awarded by the Student Aid Office to a medical student on the basis of academic achievement and demonstrated need. Preference will be given to students of Chinese origin. Value: \$2,600.

JUDITH ANNE WRIGHT LITVACK BURSARIES – bequeathed in 1999 by Judith Litvack to support the research bursary program for students in the Faculty of Medicine. The research projects supported

are to be in the disorder anxiety. One or more bursaries in each of the two research committee. Value: minimum \$2,000.

GEORGE LYMAN MASTEN SCHOLARSHIPS – established in 2000 through a bequest by Charles H. Masten, M.D.,C.M. 1893. Awarded by the Student Aid office to students in the Faculty of

SAMUEL ROSENFELD BURSARY – established by Mrs. Ida Rosenfeld Letovsky in memory of her late husband, Mr. Samuel Rosenfeld, to support worthy undergraduate medical students.

ANN AND GEORGE ROSENGARTEN BURSARY FUND – established in 1987 by Ann J. and George J. Rosengarten to aid students in any faculty who require financial assistance to continue their program of studies.

REUBEN ROSS MEMORIAL AWARD – the income from a bequest of the late Reuben Ross provides an annual award to medical students in financial need.

SOLOMON DAVID SACKS BURSARY

EPIDEMIOLOGY BOOK PRIZE – awarded to the student who obtains the highest standing in Epidemiology and Health in Year I of the medical curriculum.

SHIRLEY RIVA FISHER PRIZE – established in 1985 by Randy Fisher

DR. ALLEN SPANIER PRIZE – established in 1999 by Beverly Spanier, B.A. (1967) in memory of her brother Dr. Allen Spanier, M.D., C.M. (1972). Dr. Spanier was Chief of the Intensive Care Unit at the Jewish General Hospital for 21 years. Awarded annually by the Faculty of Medicine to a graduating student who has maintained high academic standing and exhibited a high standard of professionalism and compassion towards patients, their families, fellow students, and University and hospital staff during the Practice of Medicine component of the curriculum. Value: \$200.

ALEXANDER D. STEWART PRIZE – founded by the late W. Grant Stewart (Arts, 1885; Medicine, 1888) in memory of his brother, the late Alexander D. Stewart (Medicine, 1888). Awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every aspect the highest qualifications to practise the profession. Value: \$250.

MARY AND

Specific requirements. These consist of the following courses and the Medical College Admission Test.

One full year (2 semesters) university level course, with laboratory work, in each of:

- General biology
- General chemistry
- Organic chemistry
- Physics.

It is important to note that in all of the above courses Pass/Fail grades are not acceptable.

Prerequisite courses completed more than eight years ago must be

criteria of the profile 10.11 of the structure d'accueil, the student may be required to replace electives by one or more of these courses as part of the Med-P curriculum.

Please note that:

- a. applicants who are completing a Diploma of Collegial Studies in more than two years;
- b. CEGEP students who have formerly been enrolled in college or university programs or in post-secondary technical schools, within or outside of the province;
- c. applicants who have already obtained a Diploma of Collegial Studies;
- d. applicants who have already obtained a Diploma of Collegial Studies and who are registered in an undergraduate degree program or have completed an undergraduate degree;

must fulfil the requirements for, and make application to, the four-year program.

In the first medical preparatory (Med-P) year of the program, students are registered in the Faculty of Science. In addition to completing the specific requirements for entry into the four-year program, they must take a number of humanities, social science, and elective courses selected for the purpose of broadening and enriching their education. Following the successful completion of this year, determined by a promotions committee, students proceed into the first year of the four-year program.

It should be noted that there are more applicants for the Med-P program than can be accepted. Unsuccessful applicants are ordinarily well qualified for admission into other undergraduate degree

for interview, however, is not affected by academic performance above the minimums described above. The files of candidates who are not invited for interviews are not considered further.

The decisions described above are final and, once made, are not subject to appeal.

Applicants from outside of the province of Quebec will be notified as soon as possible after March 31, 2002, whether they have been accepted, placed on the waiting list, or not accepted. Residents of Quebec applying for the four-year program will be notified as soon as possible after May 1, 2002. Decisions for the Med-P program will be mailed on May 15, 2002. Acceptance is conditional upon receipt of a bachelor's degree (four-year, M.D./Ph.D., M.D./M.B.A. programs) or DCS (Med-P program) and upon the successful completion by the time of registration of any studies currently in

It is the personal responsibility of the foreign students to ensure that they fulfil all the licensing requirements of the country in which they intend to practice medicine. A medical degree does not necessarily confer the right to practice.

Therefore, any foreign student must submit along with his/her application form, a letter issued by the responsible authorities in his/her country indicating that they recognize the medical degree awarded by the Faculty of Medicine at McGill University and that this degree will enable this student to practice medicine in his/her country.

Out-of-Province Canadian Students

A very limited number of places will be made available by the Quebec government.

3.3 Registration

All first year students must register in August. An orientation program immediately follows registration. Attendance is required at both registration and orientation activities.

Returning students must register by MARS in advance by the announced deadlines or pay the appropriate late registration fee.

3.4 Collège des Médecins du Québec

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 by November 1 of their first year of study. Registration packages are made available to accepted students.

3.5 Courses for the Degree of M.D.,C.M.

Four years of medical study in the University leads to the degree of M.D.,C.M.; an additional period of postgraduate training is necessary for licensure.

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.

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 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, professionalism. It is the goal of this school to train professionals who will apply scientific principles throughout their career and who will be able to meet the most stringent international standards of the medical profession.

The student must understand normal and abnormal biological structure and function; normal and abnormal psychology and behaviour; the biological, social, psychological, cultural, environmental and economic determinants of health and illness; the ethical, professional and legal responsibilities in medical practice; and the conceptual framework for interdisciplinarity. The student must acquire the basic clinical skills to assess and manage patients of all ages: these include communicating effectively with patients, families and colleagues; obtaining a comprehensive clinical history; performing a physical examination; performing routine procedures appropriate to the setting; and initiating appropriate investigations and treatment plans (preventive, acute, chronic, intensive, rehabilitative and palliative). The student must solve problems, make decisions, and address ethical dilemmas in the clinical context. The student must demonstrate an ability to collaborate in an interdisciplinary approach to patient/family centered care, and assume a leadership role when appropriate.

The student must demonstrate a commitment to life-long learning and scholarship, develop the skills to search, retrieve, manage and appraise biomedical information, and be able to evaluate the

design and results of medical research. The student must behave with commitment, integrity, honesty and compassion.

Upon completion of the medical undergraduate program, the graduate will be able to function responsibly in a supervised clinical setting at the level of an undifferentiated physician. A detailed description of the goals and objectives can be found on the Undergraduate Medical Education Office website, <http://www.med.mcgill.ca/ugme>.

3.6 Descriptive Outline of the Curriculum in the Faculty of Medicine

The curriculum recognizes the importance of a solid data base and a multidisciplinary approach to medical education with interdigitation (integration) of clinical and basic science experience. It is designed to permit a variety of teaching and evaluation methods recognizing the importance of small group teaching and clinical relevance of teaching. It also focuses on the strengths of teaching available in basic science departments and the close cooperation and co-ordination between the basic and clinical scientists at

3.7 Curriculum Outline

3.8 Standards of Behaviour

The teacher/learner relationship is based on mutual trust, respect and responsibility. The Faculty of Medicine therefore has many legitimate expectations related to the behaviour of students and faculty members. A Code of Conduct for the undergraduate medical program is printed in the Students' Handbook (distributed at orientation) and may be reviewed on the Web, <http://www.med.mcgill.ca/ugme>. The Faculty is committed to providing a learning environment which respects this Code. Student/Faculty harassment, abuse and mistreatment is not tolerated.

3.9 Leaves of Absence

Leaves of absence are generally discouraged and with few exceptions are granted only for reasons of health or family crises. Requests for leaves must be discussed with the Associate Dean. Permission is granted by the Dean. A request must be accompa-

3.11 Evaluation System

The Evaluation System is multifaceted and under constant review by the Faculty. The Faculty reserves the right to change any of these rules and regulations at any time, although in general such changes will not come into effect in the middle of a session. For complete Faculty regulations, reference should be made to the Faculty of Medicine Student Handbook which is updated annually on the website (<http://www.med.mcgill.ca/ugme>) under "student evaluation".

The Faculty operates on a pass/fail system. This in effect means that students' standings, class rank, and grades in courses and rotations are not available to any external agency such as hospitals, universities or licensing bodies. For purposes of internal use students' numerical grades are used in the calculations required for student feedback, academic advising and promotion, awards, prizes, Dean's Honour List designation, academic bursaries and Faculty medals.

For the purposes of evaluation, the four-year curriculum is broken down into the following promotion periods.

Promotion Period I

Units 1 to 6 and Introduction to the Patient

Promotion Period II

Units 7, 8, 9 and Introduction to the Practice of Medicine
(The beginning of Year II to end of Unit 9)

Promotion Period III

Introduction to Clinical Medicine, Units A, B, C, D, E

Promotion Period IV

Practice of Medicine

Promotion Period V

Back to Basics

STUDENT PROMOTIONS

The Student Promotions Committee will review the academic record and general performance of any student on a regular basis and will determine whether the student may proceed to the next promotion period.

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and for programs to decide which applicants they wish to enrol. For both students and program directors, it attempts to remove the fac-

tics, Family Medicine, Geriatrics, Humanities and Social Studies of Medicine, Medicine, Microbiology and Immunology, Neurology, Neurosurgery, Nutrition, Obstetrics and Gynecology, Ophthalmology, Otolaryngology, Pathology, Pediatrics, Pharmacology and Therapeutics, Physiology, Psychiatry, Diagnostic Radiology, Radiation Oncology, Sports Medicine, Surgery and Tropical Medicine. Details are published in the "Elective Calendar" and on the Web (UGME site). Further information may be obtained from the Coordinator (Elective Program), Faculty of Medicine.

5 Departments and Units in the Faculty of Medicine

5.1 Anatomy and Cell Biology

Core Courses

This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Back to Basics.

MED IV

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

Other Courses

The Department offers a range of courses leading to the Faculty Program/Masters/Honours B.Sc. in Cell Biology and is well equipped for graduate research leading to the M.Sc. and Ph.D. degrees. See the Faculty of Science and the Faculty of Graduate Studies and Research Calendars.

5.2 Anesthesia

Anesthesia is primarily concerned with the relief of pain and the provision of unconsciousness during surgery. In addition, it takes an active role in the care of the critically ill, in providing analgesia in obstetrics and in managing acute and chronic pain. It is a spe-

Faculté de Médecine, Université McGill, 3841 Avenue Lacombe, Montréal, Québec H3T 1M5. Téléphone: 514 398-4111. Site Web: www.mcgill.ca/facmed

Graduate Courses

eases, develop awareness of special procedures in neurology and foster positive attitudes towards independent learning.

Graduate Courses

See the Faculty of Graduate Studies and Research Calendar.

5.14 Obstetrics and Gynecology

Core Courses

This Department contributes to all curriculum components.

ICM-E 534-301A OBSTETRICS AND GYNECOLOGY ROTATION. A didactic course in Ob/Gyn, is part of ICM-E.

534-401A/B/C PRACTICE OF MEDICINE (CLERKSHIP). As part of the core curriculum in Med III, students will spend a eight-week clerkship on a clinical teaching unit in one of the five centres within the McGill teaching hospital system. This clerkship is designed to enlarge and enrich the basic experience of Med I and Med II. Under supervision, students play an integral role in the management of patients and become a recognized part of the resident-intern-medical student team.

5.15 Occupational Health

The Department of Occupational Health offers a multidisciplinary approach to problems of occupational health and safety. It offers two graduate degree programs: a Ph.D. in occupational health sciences, with the objective of training independent researchers in the field of work environment and health; and a Master of Science (Applied) in occupational health sciences. The objective of this program is to train occupational health and hygiene professionals in the evaluation of the work environment and work hazards, and in the application of appropriate methods of prevention and control. The M.Sc. is offered in a regular sessional format which consists of three full-time terms and usually an additional session, and in a distance education format, normally over a three-year period. See the Faculty of Graduate Studies and Research Calendar.

5.16 Ophthalmology

Core Courses

ICM

Ophthalmology teaching will be integrated with the ICM Curriculum. The Department of Ophthalmology gives sessions with particular emphasis on history-taking, diagnosis and treatment of common eye problems, as well as instruction on how to use the ophthalmoscope and slit lamp microscope.

This is taught at the Montreal General Hospital, Royal Victoria Hospital and Jewish General Hospital.

In fourth year (Back to Basics), students are given the opportunity to work in the eye clinics for several days.

PRACTICE OF MEDICINE (CLERKSHIP)

Four-week electives are offered to ICM or 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.

Royal Victoria Hospital, Dr. M. Discepola (385-0530);

Montreal General Hospital, Dr. D. Cheema (937-6011 ext. 4078);

Montreal Children's Hospital, Dr. R. Koenekoop (934-4400 ext. 2891).

Jewish General Hospital, Dr. D. Albert (340-7528).

Please note electives are not offered in July and August.

5.17 Otolaryngology

Core Courses

ICM-A 524-301B INTRODUCTION TO CLINICAL SCIENCES. The Department of Otolaryngology is a contributor to this course, providing instruction in otolaryngological history-taking and methods of physical examination.

Electives are available for students at the four affiliated teaching hospitals.

Graduate Courses

See the Faculty of Graduate Studies and Research Calendar.

5.18 Pathology

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 multidisciplinary Units 7 and 8, as outlined in BOM as well as to the section, Introduction to Hospital Practice.

COURSE IN APPLIED PATHOLOGY

Weekly clinico-pathological conferences are offered in conjunction with the Medicine rotation.

Electives

The Department provides four-week electives for medical students after completion of Unit 8 of the Basis of Medicine. These are available at the Royal Victoria Hospital, Montreal General Hospital, Jewish General Hospital, St. Mary's Hospital and the Montreal Children's Hospital. Please contact Mrs. Hoffmann, Teaching Office, Duff Medical Building, (514) 398-7192 x7195.

Other Courses

The Department is well-equipped for graduate research leading to the M.Sc. and Ph.D. degrees and offers several graduate level courses. See the Faculty of Science and the Faculty of Graduate Studies and Research Calendars.

5.19 Pediatrics

Core Courses

ICM-E 543-301A PEDIATRICS. Provides the students with a data base in pediatrics in order for them to approach the clerkship with some basic understanding of pediatric problems. The course will cover aspects of growth, perinatology, morbidity-mortality in Pediatrics, nutrition, fluid balance, infections of many systems, and neurologic and psychologic development. The course will consist of didactic teaching and small group tutorials where problems related to lecture content are discussed.

543-401A/B/C PRACTICE OF MEDICINE (CLERKSHIP) – PEDIATRICS. Clerkship in Pediatrics as a member of a clinical service provides the opportunity for experience in the management of pediatric problems under supervision. The clerkship includes ward and ambulatory rotations at the Montreal Children's Hospital and newborn experience at either the Jewish General Hospital or the Royal Victoria Hospital. The clerks participate in a series of core-material conferences in addition to the regularly scheduled educational program of the hospital.

5.20 Pharmacology and Therapeutics

The program of instruction in Pharmacology and Therapeutics is designed to provide a systematic coverage of the principles of drug action for the more important groups of drugs, the factors that control and modify their effects and the basis for selection and use of drugs in the treatment of disease.

Core Courses

This Department contributes to the multidisciplinary curriculum components of Basis of Medicine, Introduction to Clinical Medicine and Back to Basics.

Other Courses

The Department offers a range of different level courses on the principles of pharmacology and therapeutics with emphasis on the sites and mechanisms of action of drugs from whole body to molecular interactions. The compounds covered are representative of classes of drugs used in the treatment of human disease. These courses are available to students registered in the B.Sc. programs. The Department also offers a graduate program leading

to the M.Sc., M.Sc. Applied, and Ph.D. degrees. See the Faculty of Science and the Faculty of Graduate Studies and Research Calendars.

5.21 Physiology

Core Courses

This Department contributes to the multidisciplinary curriculum components of Basis of Medicine and Back to Basics.

Other Courses

The Department offers a range of courses at introductory, intermediate and advanced levels. These are part of undergraduate Nnrme-

develop the skills needed to identify and resolve ethical dilemmas. Emphasis is placed on the following subjects: informed consent, risk disclosure, patient competence, confidentiality, research ethics, discontinuing life support, physician impairment, and ethics in the team context.

6 Staff by Department

Anatomy and Cell Biology

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Chair — John J.M. Bergeron

Emeritus Professor — Y. Clermont

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Associate Professors — O.W. Blaschuk, E. Daniels, S. David, M.F. Lalli, P. Lasko, M.D. McKee, M.M. Miller, C.R. Morales, H. Vali

Assistant Professors — C. Autexier, D. Baranes, P. Barker, M.T. Greenwood, T. Kennedy, A. Koromilas, N. Lamarche, P. McPherson, A. Ribeiro-da-Silva, J.G. Snipes, W. Sossin, S. Stifani, D. Walker, G. Wild

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Anesthesia

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Professors — M. Abou-Madi, C. Bushnell (*Harold Griffith Professor of Anaesthesia*)

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Lecturers — S. Bekhor, G. Brock, R. Carranza, M. Diserens, M. Kimia, P. McMillan, R. Roman, S. Vilderman

Associate Members — M. Boulanger, F. Donati, K. Krnjevic, B. Ligier, R. Melzack, N. Searle, P. Solomon, F. Varin

Post-Retirement — P. Bromage, G.S. Fox, J. Rosales

Anaesthesia Research

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B.B. Hyams, E. Kao, G. Kintzen, J. Kosiuk, M. Levental,
S. Miro, J. Novales-Diaz, K. Oudjhane, Y. Patenaude,
C. Pham, M. Pinsky, M. Reid, H. Remy, M.B. Rosenbloom,
A. Roy, C. Rush, C. Sadro, A. Sinsky, J. Stern, M. Thibodeau,
A. Veksler
Adjunct Professors — M. Atri, P. Bourgouin, P. Bret, G. Breton,
M. Fraser-Hill, N. Just, J.L. Vezina, G. Whiteman
Lecturers —

Associate Members — J. Barkun, L. Bell, D. Fitchett,
R.D.C. Forbes, F. Guttman, J-M. Laberge, M. Lipman,
D. Marpole, G. Prud'homme, P. Rene, R. Schreiber,
C. Tchervenkov, A. Wilner

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N. Sonenberg, M. Zannis-Hadjopoulos

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J. Pelletier, A. Veillette

Associate Members:

Professors — G. Batist, L. Panasci, M. Pollak, G. Shore, I. Wainer

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P. Laneuville, G. Matlashewski, A. Nepveu, M. Park,
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Associate Professor — J.F. Yale

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E.R. Chavez-Garcia, K. Cianflone, M. Cosio, W. Engels,
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E. Idziak, L. Jacobs-Starkey, T. Johns, P. Jones, S. Kubow,
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H. Ng Kwai Hang, L. Phillip, O. Receveur, M. Scott, H. Shizgal,
J. Smith, A. Sniderman, L. Thibault, S.P. Touchburn,

M. Gotte, R. Gougeon, C. Greenaway, C. Greenwood,
M. Greenwood, F. Guimond, A. Gursahaney, T. Hadjis,

Montreal General Hospital

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L. Rochon, G. Sejean, R. Sweet, L. Tarantino, A. Zeitouni

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V-H. Nguyen, A. Péloquin, D. Pilavdzic, C. Pothel, I. Roy,
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Lecturers — B. Issa-Chergui, N. Zaklama

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Pediatrics

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P. Goodyer, J.R. Hamilton, L. Hechtman, M. Kramer, K. Minde,
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Lecturer — R. Corns, W. Parker, H. Patrocino

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Professors — D.G. Bates (*Cotton-Hannah Professor of the History of Medicine*), M. Lock, G. Weisz

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Emeritus Professor — A.R.C. Dobell

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Lecturers — K. Aikin, C. Auger, R.C. Beaulieu, E. Bégin, B. Buchler, J. Cohen, H. Daoud, W. Ker, Dimentberg, D.M. Eiley, R. Fenster, D. Kalogeropoulos, M. Kerner, A.M. Légaré, R.A.H. McLeod, J. Mijangos, M. Nachabe, V.W. Papanastasiou, G.J. Pearl, L. Rosen, N. Roy, J. Schwarz, J.D. Sullivan, J.R. Sutton, I.S. Weissglas, D.G. Wiltshire

Associate Members — A.M. Ahmed, J. Chen, P. Goldberg, A. Gursahaney, R. Koenekoop, L.A. Stein

Adjunct Professors — M. Carmel, S.B. Dion, N. Duval, A.M. Houle, C.L. Kerrigan, R.R. Lett, A. Pomp, Y. Ponsot, P. Richardson, R. Turcotte, A. Turnbull, P. Vachon, D.R. Williams, J. Wu

