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MISSION

AFMC is the academic partnership of Canada’s faculties of medicine. Through our collective leadership, expertise and advocacy, we will achieve excellence in education, research and care for the health of all Canadians.

VALUES

EXCELLENCE
To achieve excellence in all its endeavours, AFMC will apply innovation, ingenuity, creativity, inquiry, discovery, and continuous quality improvement.

INCLUSIVITY
AFMC embraces differences amongst people and respectfully creates value from diversity of ideas, culture and language.

COLLABORATION
For AFMC, collaboration is both a process and outcome that engages different perspectives and involves partnerships between organizations, professions and individuals.

STRATEGIC PRIORITIES

1. To support CANADIAN FACULTIES OF MEDICINE and their faculty members, staff and learners.

2. To be a recognized national and international LEADER in educating the HEALTH WORKFORCE and a leading national advocate and knowledge resource for health education.

3. To be a recognized leader in academic medicine, who by working effectively with our partners, drives EXCELLENCE AND INNOVATION in RESEARCH to improve health.

4. To ensure that ACADEMIC MEDICINE continues to be INTEGRATED throughout HEALTH SYSTEMS.
The year 2018 was a noteworthy year for AFMC. Celebrating our 75th anniversary was an occasion to look back at where we came from and look to where we would like to go. The AFMC Board approved a Strategic Map with an increased focus on advocacy for health research, scientists and graduate students, our new data vision and international activities. In this edition of our annual report, we are proud to highlight our 75th anniversary events, accomplishments of our Board, committees, networks, staff and most importantly, our faculties.

AFMC continues to co-chair the Physician Resource Planning Advisory Committee to the Federal/Provincial/Territorial Committee on Health Workforce (CHW) created to ensure the right mix, distribution and number of physicians to meet societal needs. In addition, the AFMC Board of Directors struck an Ad Hoc Committee on Transitions to Residency who produced a report recommending increased electives diversification, a review of the current entry routes to residency and ongoing advocacy for the recommendations to reduce the number of unmatched Canadian medical graduates (CMGs). We successfully advocated to provincial governments, some of whom have made a policy change that will increase opportunities for CMGs.

The cost implication of Competence by Design (CBD) implementation continues to be an area of concern for the Deans of Medicine. A collaborative process has been established for AFMC and the Royal College of Physicians and Surgeons of Canada to help inform CHW and enable our funders to support the successful implementation of CBD.

Indigenous Health in Canada is a priority for AFMC and our Network on Indigenous Health has produced a position paper on the role of medical schools in responding to the Truth and Reconciliation Commission of Canada and advancing medical education for better health for our Indigenous populations.

Medical schools must recruit and select students that are reflective of the diversity of our Canadian population. A group of experts has been established by AFMC to look at diversity and inclusion in medical school admissions. The Future of Admissions in Canada Think Tank (FACTT) has been meeting since January 2018 and is tasked with identifying areas of highest need and concern, and to determine what opportunities exist for pan-Canadian collaboration.

AFMC will continue to be driven by our values of “excellence, inclusivity and collaboration” with an unwavering commitment to the social accountability mandate of our medical schools as our faculties educate and train the next generation of academics, educators, researchers and scholars to improve the health of Canadians.

Geneviève Moineau, MD, FRCPC
President and CEO

Brian Postl, MD, FRCPC
Chair, AFMC Board of Directors
AFMC BOARD OF DIRECTORS

Dr. Brian Postl,
Dean, Max Rady College of Medicine, University of Manitoba (Chair, AFMC Board of Directors)

Dr. Davy Cheng,
Acting Dean, Schulich School of Medicine and Dentistry, Western University

Dr. Hélène Boisjoly,
Doyenne, Faculté de médecine, Université de Montréal

Dr. Margaret Steele,
Dean, Faculty of Medicine, Memorial University of Newfoundland

Dr. David Anderson,
Dean, Faculty of Medicine, Dalhousie University

Dr. Julien Poitras,
Doyen, Faculté de médecine, Université Laval

Dr. Dominique Dorion,
Doyen, Faculté de médecine et des sciences de la santé, Université de Sherbrooke

Dr. David Eidelman,
Vice-Principal (Health Affairs) & Dean, Faculty of Medicine, McGill University

Dr. Bernard Jasmin,
Dean, Faculty of Medicine, University of Ottawa

Dr. Richard Reznick,
Dean, Faculty of Health Sciences, Queen’s University

Dr. L. Trevor Young,
Dean, Faculty of Medicine, Vice-Provost, Relations with Health Care Institutions, University of Toronto

Dr. Paul O’Byrne,
Dean & Vice-President, Faculty of Health Sciences, McMaster University

Dr. Roger Strasser,
Founding Dean, Northern Ontario School of Medicine

Dr. Preston Smith,
Dean, College of Medicine, University of Saskatchewan

Dr. Dennis Kunimoto,
Interim Dean, Faculty of Medicine & Dentistry, University of Alberta

Dr. Jon Meddings,
Dean, Cumming School of Medicine, University of Calgary

Dr. Dermot Kelleher,
Dean, Faculty of Medicine, University of British Columbia

Dr. Pierre-Gerlier Forest,
Director and Palmer Chair, School of Public Policy, University of Calgary, Public Member

Dr. Jesse Kancir,
Learner Representative, Public Member

Ms. Anne McFarlane,
Public Member

Ms. Maureen Quigley,
President, Maureen Quigley & Associates Inc., Public Member

AFMC COMMITTEES

Continuing Professional Development
Chair: Dr. Janice Willett, Northern Ontario School of Medicine

Graduate Studies
Chair: Dr. Tara Beattie, University of Calgary

Postgraduate Medical Education
Co-Chair: Dr. Andrew Warren, Dalhousie University
Co-Chair: Dr. Christopher J. Watling, Western University

Research
Chair: Dr. Christian Baron, Université de Montréal

Student Affairs
Co-chair: Dr. Melanie Lewis, University of Alberta
Co-chair: Dr. Janette McMillan, University of British Columbia

Undergraduate Medical Education
Co-Chair: Dr. Evelyn Sutton, Dalhousie University
Co-Chair: Dr. Patricia Houston, University of Toronto
Co-Chair: Dr. Beth-Ann Cummings, McGill University
IN MEMORIAM

DR. RICHARD FEDORAK, DEAN
UNIVERSITY OF ALBERTA, FACULTY OF MEDICINE & DENTISTRY

In November, 2018, the Faculty of Medicine & Dentistry was struck by the loss of our dean, Dr. Richard Fedorak. A proud University of Alberta alumnus, Dr. Fedorak was an integral member of the academy for more than 30 years. He served as a clinical investigator, as professor and director in the Division of Gastroenterology, as associate vice-president (research). Dr. Fedorak published more than 500 peer-reviewed manuscripts and book chapters, and secured two patents on colonic-specific drug delivery. He maintained an active gastrointestinal research laboratory, led a large gastrointestinal disease clinical research group, and served on multiple national and international scientific advisory boards and organizations.

As dean, Dr. Fedorak led the development of an ambitious five-year strategic plan in 2016—and then worked with the faculty to complete most of their objectives within 24 months. The plan took a strong focus on people: Dr. Fedorak was an ardent champion of his faculty, students, alumni and staff.

He was a member of the medical staff at the University of Alberta Hospital and the Cross Cancer Institute, and a consulting physician at the Stollery Children’s Health Centre of Northern Alberta and the Royal Alexandra Hospital. Dr. Fedorak believed the faculty has the capacity to play a central role in the development of a more innovative culture in Alberta. He was former director of the Northern Alberta Clinical Trials and Research Centre and co-founder of Metabolomic Technologies Inc.

Dr. Fedorak was appointed a fellow of the Royal College of Physicians, Edinburgh, a fellow of the Royal College of Physicians, London, the Canadian Academy of Health Sciences, and the Royal Society of Canada.

As University of Alberta President Turpin said, “both the university and the broader health sciences community have lost an exceptional academic and a bold, thoughtful, and values-based leader.”
### AFMC NETWORKS

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<th>Network</th>
<th>Chair/Co-Chair</th>
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<tr>
<td><strong>Admissions</strong></td>
<td>Chair: Dr. Wanda Parsons, Memorial University of Newfoundland</td>
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<td><strong>Clerkship</strong></td>
<td>Co-Chair: Dr. Jill Rudkowski, McMaster University</td>
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<td>Co-Chair: Ms. Jane Gordon, Queen’s University</td>
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<td><strong>Clinical Skills</strong></td>
<td>Co-Chair: Dr. Cherie Jones-Hiscock, Queen’s University</td>
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<td>Co-Chair: Dr. Barbara Power, University of Ottawa</td>
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<td><strong>Distributed Medical Education</strong></td>
<td>Chair: Dr. Jill Konkin, University of Alberta</td>
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<td><strong>Electives</strong></td>
<td>Chair: Dr. Seetha Radhakrishnan, University of Toronto</td>
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<td><strong>Equity, Diversity and Gender</strong></td>
<td>Chair: Dr. Saleem Razack, McGill University</td>
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<td><strong>Faculty Affairs</strong></td>
<td>Co-Chair: Dr. Cathy Vardy, Memorial University of Newfoundland</td>
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<td>Co-Chair: Ms. Paula Corbett, Memorial University of Newfoundland</td>
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<td><strong>Faculty Development</strong></td>
<td>Chair: Dr. Karen Leslie, University of Toronto</td>
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<td><strong>Francophone Minorities</strong></td>
<td>Chair: Ms. Danielle Barbeau-Rodrique, Northern Ontario School of Medicine</td>
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<td><strong>Global Health</strong></td>
<td>Chair: Dr. Shawna O’Hearn, Dalhousie University</td>
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<td><strong>Indigenous Health Network</strong></td>
<td>Chair: Dr. Marcia Anderson, University of Manitoba</td>
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<td><strong>Informatics</strong></td>
<td>Chair: Mr. Matt Simpson, Queen’s University</td>
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<td><strong>Institutional Advancement and Communications</strong></td>
<td>Chair: Ms. Susan Emigh, McMaster University</td>
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<td><strong>Interim Review Coordinators</strong></td>
<td>Chair: Dr. Kevin Busche, University of Calgary</td>
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<td><strong>Interprofessional Education</strong></td>
<td>Co-Chair: Dr. Christie Newton, University of British Columbia</td>
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<td>Co-Chair: Dr. Sylvia Langlois, University of Toronto</td>
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<td><strong>Libraries</strong></td>
<td>Chair: Ms. Jennifer McKinnell, McMaster University</td>
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<td><strong>Physician Health and Well-being</strong></td>
<td>Chair: Dr. Mithu Sen, Western University</td>
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<td><strong>Postgraduate Affairs</strong></td>
<td>Chair: Dr. Donald Farquhar, Western University</td>
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<td><strong>Professionalism</strong></td>
<td>Co-chair: Dr. Heather Lochnan, University of Ottawa</td>
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<td>Co-chair: Dr. Gurdeep Parhar, University of British Columbia</td>
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<td><strong>Senior Administration</strong></td>
<td>Chair: Mr. Dwayne Martins, Western University</td>
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<td><strong>Senior Education Deans</strong></td>
<td>Chair: Dr. Alan Neville, McMaster University</td>
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<tr>
<td><strong>Social Accountability</strong></td>
<td>Chair: Dr. Shawna O’Hearn, Dalhousie University</td>
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A YEAR IN WORDS

Please click on the words to learn more.
A YEAR IN NUMBERS: 2018 SNAPSHOT

In our faculties more than **37k students** applied to medical school.

There are **11,698** undergraduate medical students

Of which **56%** are female

There are **16,334** postgraduate medical trainees

Of which **3,394** are exiting and practice-ready

What fields of training are practice-ready residents in?

- **Family medicine** 43%
- **Medical specialties** 40%
- **Lab medicine** 3%
- **Surgical specialties** 14%
- **Total** = 3,394

There are **18,147** students in graduate studies

- **55%** Masters students
- **31%** PhD students
- **12%** Post-Docs

There are **over 41,000 faculty members**

The median debt for medical students is **$94,000**

12% will graduate with over **$200,000** of debt

The number of unmatched Canadian medical graduates has grown steadily.

Last year, **69** were unmatched after the second iteration and there were an additional **54** prior year unmatched.
RESPONDING TO SOCIAL NEEDS

“[Medical Schools have] the obligation to direct their education, research and service activities towards addressing the priority health concerns of the community, region, and/or nation they have a mandate to serve”.

World Health Organization, 1995

AFMC RESPONDS TO THE OPIOID CRISIS
The AFMC has continued to monitor the progress by the Faculties of Medicine in addressing the opioid crisis from a pedagogical perspective. A follow up survey was conducted this year with the 17 Canadian Faculties of Medicine to confirm the content of their curricula for instruction in the diagnosis, prevention, appropriate reporting and treatment of the medical consequences of opioid use and addiction. This revealed that several new programs have been developed and existing programs have been built upon to address this emerging crisis. In order to address this issue in a more substantive manner, AFMC has just received nearly $2 Million from Health Canada’s Substance Use Addictions Program to lead the creation of a Canada-wide, competency–based curricula for future physicians in pain management, problematic substance use and substance use disorders. This new project will support the development of an online curriculum and establish competencies for student physicians in Canada on pain management, including appropriate opioid prescribing, and address gaps in current education programs across the 17 Canadian medical schools.

FOCUSING ON INDIGENOUS HEALTH
Following the release of the Report on Indigenous Health Activities in 2017, AFMC established the AFMC Network on Indigenous Health. This group tackled the mandate of producing a position paper on the role of the medical schools and their social accountability in addressing Indigenous Health issues in Canada and undertook a review of the Faculties of Medicine responses to the Calls to Action of the Truth and Reconciliation Commission. The position paper is being circulated to key stakeholders for feedback on the implications, feasibility, and implementation for our medical schools.

SUPPORTING FRANCOPHONE MINORITY COMMUNITIES IN CANADA
The second phase of the Franco Doc project officially launched in 2018. The project, guided by the AFMC’s Francophone minority network as well as the Consortium national de formation en santé, Société santé en français and Médecins francophones du Canada, aims to develop and enhance French-speaking medical human resources by using an integrated interdisciplinary approach to identify students in English-language faculties of medicine that could meet the needs of Francophone minority communities. The project identified over 160 new French-speaking students in 2018. In this phase, the project continues to engage key faculty members and learners within our medical schools as well as with the French-speaking communities in their region and has broadened its reach to engage further with residents in family medicine and the CFPC. Faculty-community liaison committees are operating well and are hard at work to reach the project’s objectives in each English language medical faculties. This ensures that the specific needs and interests of students are addressed at each faculty while meeting objectives of the Franco Doc initiative.
AFMC ADVOCATES FOR COLLECTIVE ACTION TO ADDRESS THE CRISIS OF UNMATCHED CANADIAN MEDICAL GRADUATES

AFMC remains concerned over the large number of unmatched Canadian Medical Graduates (CMGs) and released the Reducing the Number of Unmatched Canadian Medical Graduates: A Way Forward report, which outlines the factors leading to the increasing number of unmatched CMGs and provides concrete recommendations to increasing support to, and reducing the number of unmatched CMGs. With a view to identifying immediate, feasible and implementable solutions, in May 2017 the Association of Faculties of Medicine of Canada (AFMC) established an AFMC Resident Matching Committee (ARMC) Technical Subcommittee (TS) reporting to the ARMC to a) examine and identify the specific causal factors contributing to unmatched CMGs, b) outline implications of continued unmatched CMGs, and c) develop recommendations to address the issue. The recommendations in the report include ensuring sufficient entry into the system, changes to match processes, support for unmatched CMGs, implementation of best practices in applications and selection, improving flexibility for residents to transfer from one program to another and pan-Canadian planning. AFMC advocacy has led to significant change in government policy to the benefit of CMGs. We also had the opportunity to discuss the issue in May with the federal Minister of Health, the Hon. Ginette Petitpas Taylor.

TRANSITION TO RESIDENCY

The AFMC Board of Directors struck an Ad Hoc Committee on Transitions to Residency to deliver recommendations for action to address challenges faced by the medical education community with specific regards to the matching process, electives diversification and entry routes to residency. The Ad Hoc Committee was tasked to identify processes where a formalized national approach could be effectively delivered and to make recommendations for timely action that address the issues at hand. In December 2018, AFMC released the report, Transition to Residency: A Call to Action to address major challenges in the Canadian medical education system. AFMC called upon all stakeholders in the medical education community to support the following recommendations:

1) a national capping of student elective opportunities in any single entry-level discipline to foster electives diversification for Broader Career Path Exposure

2) the delivery of an effective match process to reduce unmatched Canadian medical graduates by implementing the recommendations in the Reducing the Number of Unmatched Canadian Medical Graduates Report, published in January 2018

3) an alignment of entry routes to societal needs

AFMC will continue to advocate for changes to the transition to residency that will lead to a system that is responsive to the needs of the Canadian population.
AFMC RECOGNIZES PHYSICIAN BURNOUT AS A PRIORITY ISSUE

Poor physician health leads to poor physician functioning, which can negatively impact the quality of patient care. In addition, burnout affects physicians’ ability to lead changes at the practice and health care system levels. When physicians ‘burn out’ they leave practice, which makes solving the ongoing challenges of physician shortages in Canada even more difficult. This has a direct effect on accessibility, quality and safety of health care in Canada.

Health systems need to adopt realistic interventions that support medical student, resident, faculty and clinician satisfaction and well-being, and that preserve the long-term professional health of physicians. The AFMC is committed to ensuring a healthy workplace and learning environment for our students, residents and physicians.

In 2018, AFMC released the Report on Mental Health Activities: Focus on Physician Health that identified recommendations and next steps.

SUPPORTING DIVERSITY AND INCLUSION IN MEDICAL SCHOOL ADMISSIONS

A group of experts has been established by AFMC to look at diversity and inclusion in medical school admissions. Medical schools must recruit and select a diverse cohort of future physicians that is reflective of the diversity of the Canadian population. They must ensure that socio-cultural and socioeconomic groups that have been historically underrepresented in medical school cohorts have equitable access to and success in the admissions process. The Future of Admissions in Canada Think Tank (FACTT) has been meeting since January 2018 and is tasked with identifying areas of highest need and concern, and how pan-Canadian collaboration can occur. FACTT will be looking at a national definition of diversity, a centralized system for improved data gathering and diversity principles that could be applied nationally.

AFMC AND AAMC WORKING TOGETHER TO SUPPORT A BROAD PHYSICIAN WORKFORCE

The Association of Faculties of Medicine of Canada (AFMC) and the Association of American Medical Colleges (AAMC) launched, for a second consecutive year, a fee assistance program to help medical students who need financial assistance to take the Medical College Admission Test® (MCAT®).

In their continuing efforts to support an increasingly broad physician workforce, the AAMC is providing support to students who would be unable to take the MCAT exam without financial assistance. The AAMC and AFMC are pleased to support Canadian MCAT examinees through this program. Canadian applicants who qualify will receive reduced scheduling, rescheduling, and cancellation rates for the 2019 and 2020 testing years. Awardees will also receive printed copies of the Official Guide to the MCAT® Exam, Fifth Edition and the Official MCAT® Flashcards.
CELEBRATING AFMC’S LEGACY

The legacy of AFMC is built on the commitment to serving the needs of Canadians, to leading innovation in medical education and health research. On October 22, 2018, AFMC celebrated its 75th anniversary by hosting a symposium on the future of health care, health research and medical education. There were over 100 partners, stakeholders, past and current thought leaders in academic medicine from across Canada and the United States. The event highlighted the work of AFMC over the last 75 years, but also envisioned the next 75 years.

The symposium challenged guests to contemplate future health care service delivery models, the big transformations that are needed in medical education today that will lead to a nimble and responsive health workforce of tomorrow and what is required from leaders to work hand in hand with funders to guide the direction of health research in Canada and break down current barriers to innovation.

The day’s three keynote speakers included Dr. Michael J. Strong, the President of the Canadian Institutes of Health Research, Dr. Philip Edgcumbe, a Faculty Member of Singularity University Canada and Principal of Med Edge Consulting as well as Dr. Clay Johnston the Dean of Dell Medical School, University of Texas at Austin. Each keynote was followed by a respondent, which included Dr. Darrell G. Kirch the President and CEO of the Association of American Medical Colleges, Dr. PG Forest, Professor and Director in the School of Public Policy at the University of Calgary and Ms. Stephanie Smith the President of the Canadian Federation of Medical Students.

A singular theme arose from all presentations and discussions: This is an era of transformative change in health care. AFMC has over the last three-quarter century and will continue to be the leading change agent academic medicine in Canada. AFMC will continue to be driven by its values of excellence, inclusivity and collaboration with an unwavering commitment to the social accountability of medical schools as its faculties educate and train the next generation of clinicians, educators, researchers and scholars to improve the health of Canadians.

COMMENORATIVE COLLECTION OF ESSAYS
Read the commemorative collection of essays featuring 75 years of AFMC support, leadership and collaboration.

SYMPOSIUM PROCEEDINGS
Review the symposium proceedings and presentations.
SUPPORTING OUR FACULTIES

DRIVING INNOVATION IN DATA COLLECTION TO BETTER SUPPORT OUR FACULTIES

Over the course of this year, AFMC has been engaging with all 17 Faculties of Medicine and other key stakeholders to develop a renewed direction for AFMC’s data strategy which is more responsive to the changing needs of our members and the academic medicine community.

Three priority areas for research direction have been identified as part of the new data vision. These areas include a focus on diversity, outcomes of graduates and physician resource planning. The priority area of diversity will be looking at demographics of aspirants, applicants, students, residents and faculty. Outcomes refer to tracking graduates into practice and the workforce. Lastly, under physician resource planning, AFMC has led the analysis of graduate match results and made recommendations to decrease the number of unmatched Canadian medical graduates (CMGs) as well as to support elective diversification.

This year, the Deans of Medicine were provided data on gender diversity within their faculty. Analysis revealed that there has been an increase in enrolment of women in Canadian medical schools over time, with more than 50% of the student body being female since 1997. Female faculty members have also increased year over year since 2010. However, women continue to be underrepresented in leadership roles at Canadian faculties of medicine.

AFMC will be publishing national data on gender in Canadian faculties of medicine in 2019.

AFMC DATA VISION

1. Expand AFMC’s data collection across the continuum to inform the Faculties of Medicine and respond to their needs as they work to improve the Canadian medical education system.

2. Support a broad community of scholars to conduct research using AFMC data to inform education, public policy, regulation, advocacy and health workforce planning.

3. Enhance AFMC’s data infrastructure and management systems to support increased automation, improved data quality and sophisticated reporting capabilities that are aligned with existing industry standards and best practices.
The students who sparked the development of the AFMC Student Electives Portal envisioned much more than an online application system. The AFMC Portal is also a critical instrument for the standardization of information and immunization requirements for 17 medical schools, minimizing redundancies and saving countless hours for busy medical students and medical schools alike. The vision is fair access to electives within reasonable timeframes with minimal data entry burden - the AFMC Portal brings that vision to reality and sends a message that cross-country training experiences are valued.

Dr. Jonathan DellaVedova MD FRCPC
Consulting Pediatrician – Assistant Professor, Clinical Sciences Division, Wellness – Lead Clinician, Postgraduate Education – Northern Ontario School of Medicine
ADVOCATING FOR OUR HEALTH RESEARCH COMMUNITY

COLLABORATING WITH OUR RESEARCH FUNDERS
In January 2018, the AFMC Board of Directors held a conjoint meeting with partners across our community to focus on research and innovation. Invited guests Dr. Mona Nemer, Chief Science Advisor, Dr. Roderick McInnes, Interim President and CEO of CIHR, Mr. Gilles Patry, Executive Director of U15 as well as members of the AFMC Vice-Deans of Research Committee joined the AFMC Board members to discuss the need for increased funding for health research and the need to better inform Canadians on the benefits of health research to the health care system.

“We are thankful for the government’s focus on equity, diversity and inclusion, as well as for their particular focus on supporting early and mid-career researchers,” adds Dr. Geneviève Moineau, President and CEO of AFMC. She further states, “AFMC also wishes to thank our members, learners, and partners in health research, who have worked with us in support of this future vision for Canada.”

AFMC APPLAUDS FEDERAL GOVERNMENT FOR LARGEST EVER COMMITMENT TO HEALTH RESEARCH
AFMC publically recognized the federal government’s major commitment to health research in Budget 2018, which provided a new investment of $1.22 billion over five years to the Tri-Council, including $354.7 million for the Canadian Institutes of Health Research, and the new funds of $275 million over five years for interdisciplinary and international research, and of $21 million to increase diversity in science. AFMC was appreciative of the fact that the $763 million funding for the Canada Foundation for Innovation will ensure stability for scientific research infrastructure.
The CIHR awards that I have received have allowed me to focus on my studies and not worry about personal finances. In addition to providing financial stability, the awards provided me with the allowances required to attend conferences and purchase software to support my research.

Erin Degelman is a 4th year MD/PhD student at the University of Calgary studying medical science, specifically cancer biology.

TRAINING TODAY’S SCIENTISTS FOR TOMORROW’S CURES

In August 2018, AFMC prepared a submission for the 2019 Pre-Budget Consultations. In its submission, AFMC asked the Government of Canada to support the next generation of scientists by proceeding with implementing the recommendations to support graduate students and postdoctoral trainees or fellows (PDFs) through scholarships and fellowships as well as addressing the full cost of research by increasing funding to the Research Support Fund.

COLLABORATING WITH OUR RESEARCH PARTNERS

AFMC has been meeting with its research partners, the U15, Universities Canada, the R10 (HealthCareCAN, Research Canada, Health Charities Coalition of Canada, BIOTEC Canada, MEDEC, Innovative Medicines Canada, Colleges and Institutes Canada) and learner organizations (CFMS, CITAC) to identify opportunities for synergy and collaborate on activities. Some of this year’s outcomes include promoting the Naylor Report, aligning asks in advance of the 2019 budget as well as working together to ensure decision makers were fully informed of the impact of the potential withdrawal of Kingdom Saudi Arabia’s students and medical trainees.

DR. MICHAEL J. STRONG APPOINTED AS NEW PRESIDENT OF THE CANADIAN INSTITUTES OF HEALTH RESEARCH

Dr. Michael J. Strong, past AFMC Chair and past Dean of the Schulich School of Medicine & Dentistry, was appointed as the new President of the Canadian Institutes of Health Research in June.
INTEGRATING THE AFMC ENTRUSTABLE PROFESSIONAL ACTIVITIES (EPAS) IN UGME

AFMC announced earlier in the year that its 12 EPAs for entry into residency are enthusiastically being integrated into our medical curricula by our 17 faculties of medicine. Implementation is proceeding over the next three to five years, with each school setting its own pace and process. A meeting was held in October to discuss challenges and best practices with implementing EPAs, tools and technology for the assessment of EPAS as well as faculty development. An AFMC EPA subcommittee was formed to create a repository of tools and the framework to implementation.
The Canadian Conference on Medical Education 2018 Edition

The Association of Faculties of Medicine of Canada, the Canadian Association for Medical Education, the College of Family Physicians of Canada, the Medical Council of Canada, and The Royal College of Physicians and Surgeons of Canada held the Canadian Conference on Medical Education in Halifax from April 28-May 1, 2018. The theme of this year’s conference was Competency Based Medical Education and featured numerous tracks across the continuum of medical education. More than 1,500 registrants experienced down-home hospitality and world-class education. There were 39 workshops, 228 oral presentations, 172 poster presentations, 2 symposia and 3 plenary sessions with Eric Holmboe, Ian Bowmer and Canadian icon and mental health advocate, Margaret Trudeau.
At Memorial University’s Faculty of Medicine, we continue to strengthen our commitment to meet the unique health needs of our rural, remote and urban communities. Our strategic plan, *Destination Excellence*, is one year old and well into implementation. Collaborative teams are working hard to ensure we achieve our goals for the next four years and beyond. This includes integrating education, research and social accountability to accelerate our collective impact on the communities we serve.

Our health-related research has expanded over the last year including the addition of a new Canada Research Chair, Canadian Institute of Health Research grants to support projects such as Indigenous health, breast cancer and genetic coding in viruses, among many others; investments in medical 3D printing for rural teaching as well as equipment to perform DNA sequencing so physicians and pharmacists can securely access more comprehensive data for patients predisposed to common disease with a genetic underpinning. We are very proud of our community inspired research that is finding solutions to global health issues.

Other prestigious awards include a Governor General’s Innovation Award for a ground breaking genetic discovery for arrhythmogenic right ventricular cardiomyopathy, an Officer of the Order of Canada award for an internationally recognized human geneticist and expert in the areas of hereditary cancers and hereditary eye diseases, and a fellowship appointment from the Canadian Academy of Health Sciences.

Our learners, faculty and staff continue to exemplify our core values and work hard to strengthen our connections with the people and communities we serve. As we find new ways to embrace change, we strive to create a positive environment for them to grow and succeed.

Throughout 2018, Dalhousie Medical School has celebrated 150 years of excellence in education, research and service in Maritime Canada.

It’s been another very strong year for Dalhousie Medicine. The Government of Nova Scotia announced funding for 10 new residency seats in family medicine and 15 new specialty seats, and celebrated the opening of a new family medicine training site in the northern part of the province. At our Saint John campus, we now have a rich program of Longitudinal Integrated Clerkships (LIC) throughout New Brunswick with 16 of our 31 students trained in these community-based rotations.

On the research front, Dr. Christopher McMaster, a professor in the medical school’s Department of Pharmacology, was appointed scientific director of the CIHR’s Institute of Genetics – the first time a CIHR institute has been based in Atlantic Canada. As well, Dalhousie’s Dr. Shashi Gujar and his American collaborators were awarded $3.2 million by the U.S. National Institutes of Health (NIH) to develop new immunotherapies for advanced melanoma. This year also marked continued research success at Dalhousie Medicine New Brunswick (DMNB) with Dr. Petra Kienesberger who received a four-year, $260,000 Heart and Stroke Foundation of Canada new investigator award and a five-year $685,000 Canadian Institutes of Health Research (CIHR) grant.

In the summer of 2018, a new Wave I research team, the Brain Repair Centre, was announced by Dr. Roger McLeod and will be the fifth Wave research team selected to represent major areas of research strength at Dalhousie Medicine School. Two other Wave I teams include I3V (Infection, Immunity, Inflammation and Vaccinology) and Genomics in Medicine. Two others (cardiovascular health and health priority initiatives) were designated as Wave II teams, meaning these teams have the potential to be internationally competitive within the next three to five years.

Dalhousie Medical School is very pleased to be a member of the team developing an integrated health research and innovation strategy for Nova Scotia (IHRIS). This initiative has the support of the premier, the provincial ministers of health and wellness, labour and advanced education, and business. The CEOs of the Nova Scotia Health Authority, the IWK Health Centre and the Nova Scotia Health Research Foundation are also a part of this initiative. In keeping with Dalhousie Medical School’s 150-year-old mission, this collaborative research strategy aims to integrate researchers with opportunities to investigate and ultimately improve the health of the people of Nova Scotia and, by extension, the Maritimes.
FACULTY HIGHLIGHTS

More than ever, the Faculty of Medicine at Laval University is working toward becoming a socially accountable faculty dedicated to serving its university community, the populations it serves, society and the world. In keeping with its duty of social accountability and its commitment to dialogue with its members, partners and communities, the Faculty Directorate undertook a series of visits of its affiliated communities and a third wave of public consultation through citizen forums organized in various cities within its vast network extending throughout Eastern Quebec. This co-construction approach will ensure a solid foundation for the orientations of its next strategic plan for 2020-2025.

With a desire to distinguish itself by redefining the experience of training, work and partnership, the Faculty has innovated with the creation of the Centre Pédagogia and the renewal of the Centre Apprentis. These centres bring together, for the first one, the Faculty’s expertise in pedagogy and continuing professional development, while for the second one, expertise communities in which it is involved through its extensive network of internships in Quebec and New Brunswick. In figures (2018), this translates into a student population of approximately 4,800 people in 83 training programs, 26 research chairs and 10 institutes and research centres generating nearly $58 million in research revenues. All this is supported by more than 1,100 employees, including nearly 600 professors and approximately 1,200 clinical professors.

At the beginning of the 2018 academic year, the Faculty welcomed 205 new students to its completely revised, enriched and modernized medical program as of 2017 at its three sites (Sherbrooke, Saguenay and Moncton). On the pedagogical basis of the professionalization journey, it is now more representative than ever of professional practice and the many realities facing physicians, such as the aging population, the increase in chronic diseases or the active role of patients in their care.

Professor Dominique Dorion, Dean of the Faculty of Medicine and Health Sciences (FMHS), is launching this year the Faculty’s new 2019-2023 Strategic Plan, the result of a broad consultation that involved the faculty community and internal and external stakeholders. Based on its mission, the strategic plan will enrich the quality of its programs and the FMHS experience, accelerate the development, transfer and application of knowledge, cultivate organizational health, a sense of belonging, pride and commitment of the entire faculty community and contribute to a better world.

This strategic plan will build on the Faculty’s strengths at the Sherbrooke Health Campus, the Longueuil Campus, the Saguenay site and the Moncton site, as well as in the in simulation and evaluation, focused on user needs and, at the heart of their activities, collaboration and innovation in the health sciences.

To support the transition to Competency by Design (CBD) in postgraduate medical training, a Faculty Instructional Support Committee has been established to support and assist residency program directors in their transition to this new training approach established by the Royal College of Physicians and Surgeons of Canada.

Major discoveries have been achieved and sustained efforts have been made to highlight research advances and members of the Faculty. Three of its affiliated research centres received an Exceptional rating during its most recent evaluation by the Quebec Research Funds – Health. Also on the research front, the Canadian Institutes of Health Research provided more than $18.6 million in funding to 19 of its professors through its 2017-2018 Foundation and Project Grants competitions.

Finally, the Faculty’s philanthropic vision inspired, among other things, the organization of the fundraising cocktail À table pour la santé durable, which raised $100,000 for the Sustainable Health Bursary Fund to support students through financial assistance programs and recognition of commitment, excellence and diversity.
FACULTY HIGHLIGHTS

Under the umbrella of our Project Renaissance strategic planning exercise, in 2018 a new Strategic Education Plan was unveiled for McGill University’s Faculty of Medicine to foster innovation and promote excellence in teaching and learning, with emphasis on interprofessional education. Our Strategic Research Plan received an update, focusing on advancing knowledge and improving clinical practice in four targeted disease areas: Infection and inflammation; Cancer; Neuroscience and mental health; and Aging, disability and chronic disease.

The McGill Interdisciplinary Initiative in Infectious Diseases received a $15M gift from the Doggone Foundation, the first step in its goal to develop innovative solutions to infectious and immune threats to human health. A $10 million gift from the Irving Ludmer Family Foundation in support of the Ludmer Centre for Neuroinformatics & Mental Health will allow the Centre to establish a Global Brain Consortium of leading research institutions. A partnership with the University of British Columbia, created through a donation from the Djavad Mowafaghian Foundation, will allow researchers to collaborate to advance drug discovery for autism spectrum disorder. Employing the Open Science framework, research data generated through this work will be shared globally.

The Goodman Cancer Research Centre (GCRC) launched a new Lung Cancer Network to unite basic and clinician scientists and clinicians in Montreal – and across Canada and internationally – and double the number of lung cancer survivors in the next decade. The GCRC also partnered with the Terry Fox Research Institute and l’Universite de Montréal to take the lead in the development of the Montreal Cancer Consortium.

The year 2018 also marked the 10-year anniversary of the Life Sciences Complex, McGill’s landmark facility, created to inspire interdisciplinary research by bringing some of the world’s key scientific talent under one roof. The McGill Department of Psychiatry, Canada’s first academic department in the field, celebrated its 75th anniversary. Finally, Professor Brenda Milner, a pioneering neuroscientist considered the founder of the field of modern cognitive neuroscience of memory, celebrated her 100th birthday in July.

For this eighth year of her mandate, Dean Hélène Boisjoly has further developed departments and schools. Thus, the School of Kinesiology and Physical Activity Sciences joined the Faculty of Medicine in the Spring of 2018. In order to properly reflect its teaching and research activities, the Department of Psychiatry is now known as the Department of Psychiatry and Addictions Medicine.

2018 was also a year of festivities surrounding the 175th anniversary of the Faculty of Medicine. All these festive activities have allowed our community to reconnect with the great moments and figures of our history.

The evaluation of students in the Undergraduate Medical Program took a major turn in the Fall of 2018 with the adoption of the pass/fail scoring system. The integration of the competency-based approach, particularly through Entrustable Professional Activities, progressive performance tests and OSCE-type assessments, allows for the continuance of an objective assessment of students while promoting self-reflection. This change is part of a process to improve student well-being and maintain consistency among Canadian universities.

The Faculty continued its development efforts in the field of artificial intelligence (AI) applications in medicine with the organization in the Spring of 2018 of its 1st symposium on the subject, which welcomed some 350 participants, including 24 major speakers. 2018 was also marked by other initiatives in this area such as the School of Artificial Intelligence in Health at the CHUM and the Symposium on Automatic Learning Applied to Biological Systems organized by the Institute for Research in Immunology and Cancer (IRIC). There have also been significant developments in 2018 in the emerging field of microbiota research and antibiotic resistance, including the award of one of 25 Canada 150 Research Chairs.

This year, one of our hospitals, Hôpital Maisonneuve-Rosemont, was particularly distinguished by two Canadian firsts. The facility was proud to present its brand new operating microscope combined with ophthalmic axial tomography and to perform the first facial transplant in Canada.
FACULTY HIGHLIGHTS

One of our proudest achievements of the past year is having performed well in our Undergraduate Medical Education (UGME) accreditation, which took place in April, 2018. With strong results, the program is on solid footing.

uOttawa continues to prioritize diversity and inclusion through our commitment to Francophone education as the only bilingual medical school in Canada. We are also dedicated to nurturing Indigenous education, and in the fall of 2017 we celebrated the 10-year anniversary of our Indigenous program. By 2020, this stream will have 100 graduates. The school has also established a stream for students of low socioeconomic households.

Post-Graduate Medical Education has enjoyed another year of growth. In July 2017, it launched the General Surgical Oncology Sub-Specialty residency training program, one of five in Canada. We also created the Area of Focused Competence (AFC) fellowship in Adult Thrombosis Medicine. We are one of only three

The School of Medicine at Queen’s University is one year into a new strategic plan, which has set our goals for 2017-2021. Over the past year, we have hit a number of milestones from that plan while also building on our successes in research and education.

Postgraduate Medical Education had a busy year implementing competency-based medical education in all 29 of our postgraduate specialty training programs. While this has been a large undertaking, we have already achieved positive results. The average number of assessments across our programs has risen dramatically, and for the first time we filled 100% of our residency openings in the first iteration of the CaRMS match. This year, the Royal College of Physicians and Surgeons of Canada and the College of Family Physicians of Canada conducted an on-site review of all of our PGME programs. The results of our accreditation were extraordinarily positive, the best in recent years at Queen’s.

Canadian AFC’s undertaking research and clinical leadership in this critical discipline.

This past summer, the first group of students graduated from our new BSc Honors in Translational and Molecular Medicine (TMM) program. TMM is revolutionary in how it integrates theoretical and practical courses, and teaches students how to confront the complex medical challenges of the future.

The Faculty of Medicine’s research funding for 2017/2018 increased by 7%. Together with our affiliated research institutes, the Faculty of Medicine attracts over 60% of the total research dollars for the University of Ottawa and consistently ranks among the top 5 faculties of medicine for research impact. This success has been fostered through the development of structures and initiatives supporting interdisciplinary collaborations, such as our brand-new Centre for Infection, Immunity and Inflammation (CI3).

Under the new leadership of Dr. Bernard Jasmin, the uOttawa Faculty of Medicine is creating its strategic vision for the future, through the development of an action plan focused on clinical excellence and continued innovation in education and research. We are working to implement some exciting Internationalization and Global Health initiatives while also focusing on engagement, including diversity, inclusion and wellness.

Undergraduate Medical Education placed 100% of its graduating students in the CaRMS match as well. The number of applications to our undergraduate program continues to rise, as we received over 5,000 for 100 available seats in the next class. Student satisfaction in our UGME program also remains high, with 94.6% of graduates from the class of 2018 rating their education as either “very good” or “excellent” on the AFMC Graduation Questionnaire.

Our online Bachelor of Health Sciences program has expanded, with over 200 active students in the fall of 2018. In the fall of 2019, we will be launching our on-campus Bachelor of Health Sciences program, which will bring 100 students to Kingston. We have also continued to develop new graduate programs and expand existing ones. For example, we have recently launched a Graduate Diploma and Masters in Bioinformatics.

Our commitment to research remained strong this past year, as we earned $91 million in funding and also had over 900 studies in progress.

We continue to strive to meet our goals for Truth and Reconciliation, and we have hired a full-time Indigenous Access and Recruitment Coordinator to help us reach prospective Indigenous students.
FACULTY HIGHLIGHTS

The Michael G. DeGroote School of Medicine at McMaster University appreciates the opportunity to reflect its accomplishments in 2018 and share some of its many successes with the Association of Faculties of Medicine of Canada.

Among the achievements was the establishment of the Centre for Metabolism, Obesity and Diabetes Research, which addresses the epidemic of obesity and related health consequences. Also, researchers of McMaster’s Offord Centre for Child Studies were awarded $3.4 million over the next five years to evaluate positive parenting initiatives, in a drive to help end gender-based violence. As well, 22 of our researchers received new grants totaling $19 million from the Canadian Institute of Health Research.

Faculty of the medical school were recognized with several major awards, including five renewed Canada Research Chairs, five appointments into the Order of Canada, and elections into the Canadian Academy of Health Sciences and Royal Society of Canada. Moreover, six graduate students received Vanier Canada Graduate Scholarships, the Government of Canada’s most prestigious scholarships for doctoral students and post-doctoral researchers.

These successes maintain McMaster’s consistently strong performance in national and international university rankings. In 2018, Research Infosource ranked us as Canada’s most research-intensive, medical-doctoral university for the second consecutive year; Maclean’s positioned us as the fourth leading university in Canada in offering a broad range of graduate-level programs; and the Times Higher Education World University Rankings placed McMaster second in Canada and 23rd in the world in the clinical, pre-clinical and health category.

As a final note, several new department chairs and assistant deans were welcomed to the medical school and Faculty of Health Sciences. These include Angelo Mikrogianakis, chair of the Department of Pediatrics; Murray Potter, chair of the Department of Pathology and Molecular Medicine; Margo Mountjoy, regional assistant dean of the Waterloo Regional Campus, and Liz Darling as assistant dean of the Midwifery Education Program. Several new positions were also filled. Sonia Anand became the first associate chair, equity and diversity, for the Department of Medicine and Paul Moayyedi is the inaugural assistant dean, research for the Faculty of Health Sciences. As well, a new research chair in health sciences technology management was created with Jean-Éric Tarride as its first incumbent.

Domains of Focus:
1. Strengthening an Ecosystem of Collaboration
2. Catalyzing Groundbreaking Imagination
3. Achieving Excellence through Equity

Enabled By:
1. Health, wellbeing and resiliency integrated in all elements of our enterprise
2. Infrastructure, policies and technology to compel collaboration and support sustainability

In the year to come, we will implement key goals associated with this plan, which will include undertaking a Master Planning process, optimizing our learning environments, and increasing our rehabilitation research and clinical capacity, among other efforts. In all these activities, we will bring greater mindfulness to the importance of wellness, equity and inclusivity, while identifying opportunities for greater efficiencies and improved processes.

The end of 2018 also marked the conclusion of the University of Toronto’s Boundless campaign, which has raised $602,295,160 (as of October 31, 2018) for the Faculty of Medicine, thanks to the support of many generous donors. In the last fiscal year alone (FY17-18), more than $30.6-million was committed to our Faculty, including $8,410,711 pledged by 1,039 alumni.

Other highlights from our past year are captured in the 2018 Dean’s Report, which can be found online at deansreport.medicine.utoronto.ca.
In 2018, Schulich Medicine & Dentistry made significant strides toward achieving the School’s strategic plan directions and realizing its vision of becoming a global leader in optimizing life-long health. The School launched the first stage of a new admissions process for undergraduate medical education (UME) students. Beginning with the 2018-19 application cycle, the admission process is taking a more holistic view of applicants and placing emphasis on academic and non-academic traits while balancing the School's commitment to diversity, equity and inclusion. The new process is aligned with a new Doctor of Medicine curriculum, which will be launched in September 2019.

Eight postgraduate medical education (PGME) programs have transitioned to competency-based medical education, and another 11 are preparing for a July 2019 launch. PGME has also been preparing for accreditation. Schulich Medicine & Dentistry will be the first school in the country for which new accreditation standards will be fully applied across all programs. Meanwhile a novel community-supported Family Medicine-Enhanced Skills (Emergency Medicine) was launched in Owen Sound, Sarnia and Windsor. The School also received approval to launch a new PGME program in Infectious Diseases, with the first intake of residents in July 2019.

After many months of dedicated meetings and tours, Schulich Dentistry received word of its full accreditation.

Northern Ontario School of Medicine made substantial contributions in 2018 to health professional education and research in Northern Ontario and around the world. In January, NOSM, HealthForceOntario and the North East and North West Local Health Integration Networks joined forces to host Summit North: Building a Flourishing Physician Workforce. The summit focused on solutions to help build a sustainable physician workforce, particularly family physicians in rural and remote communities. Building health workforce capacity in the North and introducing innovative models of care will lead to improved access to care for patients and greater equity for rural communities.

In April, NOSM and University of Minnesota Medical School Duluth established a cross-border program to improve the health and educational opportunities of First Nations, Métis and Native Americans in Northern Ontario and Northern Minnesota. The program will provide an exchange among cross-border experts in Indigenous health professions programs and ideas on mentorship programs for medical students, residents and faculty, as well as compare models for health research and examine each school’s ties to—and relationships with—Indigenous communities.

Matawa First Nations Management (MFNM), Eabametoong First Nation (EFN) and NOSM have created a unique two-year family medicine residency stream with the support of the Ontario Ministry of Health and Long-Term Care under the First Nations Health Action Plan. Together with MFNM, a selection process was designed that is equally driven by community determination of the most suitable resident physician and fulfilling the School’s requirements for residency program entry. EFN community members make the final decision as to which resident will be admitted to the program and work in their community. This unique tripartite process—the first-of-its-kind in Canada—demonstrates elements of collaboration and community self-determination.

This academic year, 1,700 NOSM faculty members across the North taught 260 MD students, 193 residents, 12 dietetic interns, 30 physician assistant learners, 359 visiting learners and 146 health sciences learners in audiology, speech-language pathology, physiotherapy and occupational therapy. Since 2011, 194 NOSM-educated family physicians now practise in Northern Ontario, which translates to better access to care for approximately 228,000 Northern Ontarians. Read more about NOSM in the Report to Northern Ontario 2018.
FACULTY HIGHLIGHTS

The Max Rady College of Medicine, Rady Faculty of Health Sciences has had a successful year continuing to increase our research enterprise, focus on Indigenous health and enhance our commitment to equity, diversity and inclusion.

In 2018, total research funding received by faculty members exceeded $100 million. Over the last several years we have promoted multidisciplinary research teams and have seen great results stemming from the Rady Innovation Fund, now in its second year. We are home to a National Centre of Excellence – Translating Emergency Knowledge for Kids (TREK), 17 Canada Research Chairs and part of four of five Support for Patient Oriented Research (SPOR) national networks.

The Indigenous Institute of Health & Healing – Ongomiizwin, launched in 2017, is the largest Indigenous education and health unit in Canada in terms of scope and mandate. It takes a leadership role in Indigenous partnerships for research, education, health service delivery and community engagement; academic partnerships in Indigenous knowledge exchange; Indigenous traditional and cultural programs; Indigenous student support; and addressing racism in the learning environment (including holding a dialogue session with learners and recently releasing a report on findings and recommendations.)

Ongomiizwin has also led cultural safety training to college leadership over the last two years which will now expand to include students and residents. The institute is also leading the implementation of the Rady Faculty’s Reconciliation Action Plan, developed in response to the health-related calls to action made by the Truth and Reconciliation Commission.

Lastly, we have hired a director of equity, diversity and inclusion (EDI) to improve representation of diverse groups in the Max Rady College of Medicine and across the Rady Faculty as leaders, faculty members, researchers, staff and learners. This includes promotion of inclusive hiring practices, such as removal of artificial barriers to the selection, hiring, promotion and training of historically under-represented groups.

In 2018, Saskatchewan’s medical school marked a significant turning points in its history. With a very significant focus over several years on alleviating ongoing accreditation challenges in its undergraduate medical education program, the college learned in June that it had achieved full accreditation of the program. A full-site accreditation visit was hosted in fall 2017. Extraordinary engagement and participation by students, faculty, staff and partners, as well as an incredible volume of work in recent years, supported a successful visit and outcome.

The first cohort of graduates of the college’s new MD program curriculum graduated in May; the class had greatly improved results, above the national average, on the Medical Council of Canada Qualifying Examination Part I.

In October, the college became the new home of the Institute of Indigenous Peoples’ Health (IIPH)—one of 13 institutes of the Canadian Institutes of Health Research (CIHR)—under the leadership of the institute’s scientific director, Carrie Bourassa, who joined the school’s faculty in the Department of Community Health and Epidemiology.

An expanded version of the college’s 2017-2022 strategic plan was launched in November. Particular focus will be placed on Indigenous health, building research capacity, student support and wellness, and engagement and wellness of faculty and staff, as work is carried out across objectives and targets outlined in nine strategic directions.

In other areas, the biomedical sciences officially moved from five to two departments—Anatomy, Physiology and Pharmacology; and Biochemistry, Microbiology and Immunology—in July. The postgraduate medical education program continued its rollout of Competence by Design, with CBD workshops for faculty and staff at the college’s Regina campus in June and CBD launches in Emergency Medicine and Surgical Foundations in July.
In 2018, the University of Alberta’s Faculty of Medicine & Dentistry (FoMD) focused on inclusion and social accountability, celebrating its people and translating their discoveries into tangible solutions for our communities:

**Education**: The limit on the number of places for Indigenous student admissions to medical school through the Indigenous Health Initiatives Program (IHIP) process was removed. The MD program will offer a place to all Indigenous students who meet eligibility requirements through IHIP with four new full-tuition scholarships established for entering Indigenous students.

**Research**: With the help of generous supporters, the faculty spearheaded much-needed research in fields that affect a significant part of our population. In 2018, the CASA Research Chair in Child and Adolescent Mental Health, and the Dianne and Irving Kipnes Research Chair in Lymphatic Disorders were established.

**People**: The faculty appointed Dr. Christopher Power as its new Vice-Dean, Research. Our former Office of Learner Advocacy & Wellness became the Office of Advocacy & Wellbeing, to enhance engagement through the full continuum of undergraduate and postgraduate learners to graduate students and now also faculty members.

**Partnerships**: Through our strengthened bonds with other health sciences schools, Alberta Health Services and health foundations, we created new opportunities for hands-on learning and research such as the MacEwan University Health Centre for family medicine resident training and the Lois Hole Hospital Women’s Research Centre. We also advanced our international partnerships with training programs and new cohorts of visiting medical students and young physicians from China.

**Community Engagement**: First Nations Elders, community members and the FoMD came together in a Community Gathering in February 2018, to initiate a conversation about a shared vision for the future of Indigenous health.

**Innovation**: In collaboration with TEC Edmonton, the faculty launched the UAlberta Health Accelerator program with its first cohort of 12 U of A spin-off companies to foster health entrepreneurship and innovation. The program is housed at TEC Centre Labs, with 8,000 feet of wet lab and collaboration space located in downtown Edmonton’s Enterprise Square, and is currently housing its first cohort of 12 U of A spin-off companies.

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**UNIVERSITY OF CALGARY**

**CUMMING SCHOOL OF MEDICINE**

The Cumming School of Medicine (CSM) celebrated several notable achievements and advancements in 2018, particularly in precision medicine.

As part of a $255 million dollar funding announcement involving several universities, the CSM received a multi-million dollar investment from Genome Canada and partners to further study genomics and precision health research.

CSM researchers made a breakthrough in understanding inflammatory bowel disease, helping to move ahead in the pursuit of an effective drug treatment for Crohn’s and ulcerative colitis. Our researchers also announced the development of an inexpensive field test for drug-resistant malaria that can be performed almost anywhere. The number of cases of drug-resistant malaria is increasing — posing a serious worldwide health threat.

A new childhood cancer research lab opened in the Arnie Charbonneau Cancer Institute, providing a more collaborative space for teaching and learning.

Dr. Susa Benseler, MD, PhD, a leader in precision public health for children, became the new director of the Alberta Children’s Hospital Research Institute and Dr. David Park, PhD, a highly respected brain health researcher, joined the CSM family as the new director at the Hotchkiss Brain Institute.

We are especially proud of Dr. John Conly, MD, who was appointed to the Order of Canada in 2018. The appointment recognizes Dr. Conly’s ongoing dedication to antimicrobial resistance and infection control, including the creation of national guidelines on the standard of care for infectious diseases. The Canadian Academy of Health Sciences also announced Drs. Glenda MacQueen, MD, PhD, and Mayank Goyal, MD, among 2018 Fellows.

The year was highlighted by a special visit from Canada’s Governor General Julie Payette, who toured Dr. Garnette Sutherland’s, MD, neuroArm lab to learn about new developments in surgery robotics.

Through a shared vision with our government partners and Alberta Health Services, who deliver health care across the province, we are ensuring southern Alberta is a hub of excellence in medical education and research.

Follow our journey: [https://cumming.ucalgary.ca/](https://cumming.ucalgary.ca/)
2018 was a year of progress in support of the Faculty of Medicine’s strategic plan, Building the Future.

In education, we marked the tenth anniversary of the first class to graduate from our distributed undergraduate medical program, an important contributor to ensuring equitable access to healthcare in B.C. We also welcomed the first cohort of undergraduate students to the new School of Biomedical Engineering, the first such school in Western Canada. For more highlights of the many ways our faculty, staff and students continue to make impactful contributions to bettering the health of communities, explore the spring 2018 issue of our Faculty digital magazine PATHWAYS: Homegrown Health.¹

In research, Connie J. Eaves, Professor of Medical Genetics and Distinguished Scientist at the BC Cancer Agency, was among six individuals to be inducted into the 2019 Canadian Medical Hall of Fame. Spanning four decades, her research and discoveries have improved our understanding of how normal and cancer stem cells grow and work, particularly in the early stages of blood and breast cancer development. For their outstanding contributions to medical science, the Margolese National Heart Disorders Prize and Dr. Chew Wei Memorial Prize in Cancer Research were awarded to Bruce McManus and Andrew Krahn (shared) and Martin Gleave respectively.

Starting in December, Josef Penninger will be the Canada 150 Research Chair in Functional Genetics and director of the Life Sciences Institute. One of three Canada 150 Research Chairs to join UBC this year, Penninger’s research is focused on understanding the complex mechanisms of how diseases develop, particularly in cardiovascular, autoimmune and bone diseases, and cancers.

The Faculty’s research and world-leading education are possible because of the contributions of our partners and donors. The year started with a transformative $24 million gift from businessman, philanthropist and UBC alumnus Edwin S.H. Leong to support a program in Healthy Aging. This is the largest gift ever received by an individual in the history of the Faculty. Other highlights include $101 million in genomics funding from the federal government for ten projects chosen through Genome Canada, including the Silent Genome Project creating the first Indigenous DNA reference library.

¹ Visit pathways.med.ubc.ca
AFMC AWARD WINNERS

AFMC President’s Award for Exemplary National Leadership in Academic Medicine

The award recognizes excellence for national leadership in academic medicine. Activities might include providing leadership on national collaborative activities that provide frameworks for curriculum in health education; guidelines for faculty on teaching approaches or recruitment and student support, faculty affairs; advocacy for excellence in medical education or research in medical education; bio-medical or health services research.

Dr. Stephen Archer

Dr. Stephen Archer is a graduate of Queen’s University in Kingston, Ontario. After interning at the Royal Columbian Hospital in New Westminster, British Columbia, he completed training in Medicine and Cardiology at the University of Minnesota. He worked at the Minneapolis VA Medical Center from 1988-97, attaining the rank of Professor of Medicine at the University of Minnesota. From 1998-2007, he served as Professor of Medicine and Physiology, Director of the Cardiology Division and Tier 1 CRC at the University of Alberta. In 2007, he became Chief of Cardiology and Harold Hines Jr. Professor at the University of Chicago. Since 2012 he has served as Professor and Head of the Department of Medicine at Queen’s University. He holds a tier 1 Canada Research Chair in Mitochondrial Dynamics and Translational Medicine. He is a Physician Scientist (Cardiologist) with expertise in mitochondrial dynamics and pulmonary hypertension-related translational research. His CIHR-funded research lab studies mechanisms of oxygen sensing and investigates the role of mitochondria as oxygen sensors and regulators of cell proliferation and develops experimental therapies for pulmonary hypertension and cancer. Dr. Archer is very proud of his trainees, many of whom are now leaders in research and clinical medicine. His >250 manuscripts have been cited over 34,000 times (h-index 90). He is the recipient of the Distinguished Scientist Award from the American Heart Association (AHA) and the American College of Cardiology and the Research Achievement Award from the Canadian Cardiovascular Society. He is a Fellow of the Royal Society of Canada.

“Dr. Archer is more than a physician. More than an educator. More than a researcher. He is all of these things in combination, and his resultant expertise has given him the unique ability to take a variety of things to the next level, that will make a difference in the field of academic medicine across the country.”

Quoted from nomination
AFMC AWARD WINNERS

AFMC – May Cohen Equity, Diversity, and Gender Award
The award recognizes the outstanding effort or achievement of an individual, program, department or faculty in improving the gender-equity environment and diversity in academic medicine in Canada.

Dr. Sharon Straus
Dr. Straus is a trailblazer in improving equity, diversity and gender issues in academic medicine. She is a leading researcher that has been instrumental in highlighting equity concerns at many schools of medicine across the country. Her work has sparked a dialogue that will lead to change in the area of gender equity. Dr. Straus has promoted new, more formal and transparent recruitment and hiring processes and has led local, regional and national initiatives to ensure equity of opportunity for physicians and scientists pursuing academic careers.

Dr. Straus is a full Professor with the Department of Medicine at the University of Toronto, the current Interim Physician-in-Chief in the Department of Medicine at St. Michael’s Hospital, the Vice Chair of Mentorship, Equality and Diversity, Medicine, University of Toronto as well as a Scientist at the Li Ka Shing Knowledge Institute. She is the Division Director for Geriatric Medicine, a Principal Investigator with the Knowledge Translation Program and holds an appointment with the Department of Medicine at the University of Calgary and status only appointment with the Department of Health Policy Management and Evaluation, University of Toronto.

Dr. Kulamakan (Mahan) Kulasegaram
Dr. Kulasegaram is a rising star in education research and practice. His research focuses on how assessment data can be used to support learning and generate novel insights on education practice. He is the author or co-author of over 50 peer-reviewed publications and has held several national and international grants with his colleagues at the University of Toronto and other institutions. In addition, he supports the ongoing renewal and improvement of educational practice at the University of Toronto’s MD program and Department of Family & Community Medicine.

One of the most impressive things about Dr. Kulasegaram is his ability to serve as a connector and team builder. He is a natural collaborator and works to bring together clinician educators, frontline teachers, and scientists to work on advancing new knowledge in medical education.

Dr. Kulasegaram received his PhD in Health Research Methodology, in the Department of Clinical Epidemiology and Biostatistics at McMaster University in 2013. In 2014, he was appointed as an Education and Assessment Scientist at the Wilson Centre and MD Program at the University of Toronto and is an Assistant Professor in the Department of Family and Community Medicine.

“Sharon helped me to see that our world should be improved so that a physician, be it a woman or a man, could have children without being forced to “fall behind.” It is about choice, and having it, and Sharon taught me that.”
Quoted from nomination

“His way of teaching is exceptional; it is kind, inspirational, energizing, and builds upon the learners’ strengths. Instead of feeling like a novice asking an expert for advice, once the meeting began I felt like an expert in what I had already done, ready to take my work to new and exciting places.”
Quoted from nomination
AFMC AWARD WINNERS

AFMC – Clinical Teacher Award

The AFMC Clinical Teacher Award was created in 2014. This award aims to emphasize the importance of excellence in clinical teaching and to recognize an individual in Canada who has provided exceptional clinical teaching contribution.

Dr. Trudy Taylor

Dr. Taylor has a passion for medical education. She contributes at all levels of learning in teaching and education and exemplifies the qualities of this award by demonstrating vision, innovation and leadership in clinical teaching.

Dr. Taylor seeks to be up-to-date with the latest technologies and makes an effort to supplement her teaching with this new knowledge, which is greatly appreciated by her students. Her genuine excitement about advances in the field of Rheumatology is contagious and results in greater engagement and interest from her students and trainees.

Dr. Taylor has been the recipient of several noteworthy teaching awards including the Dalhousie University Faculty of Medicine’s Award of Excellence in Education in June 2018, the Department of Medicine Outstanding Faculty Residents’ Choice Award in 2017, the Department of Medicine Excellence in Medical Education Award in 2009 and again in 2017 as well as the Dr. John Simpson Memorial Teaching Award for Excellence in teaching internal medicine in 2004.

Dr. Trudy Taylor is an Associate Professor in the Department of Medicine, Division of Rheumatology at Dalhousie University and QEII Health Sciences Centre.

AFMC – John Ruedy Award for Innovation in Medical Education

To honour Dr. John Ruedy on his retirement as Dean of Medicine at Dalhousie University in 1999, the faculty of medicine established a national award in his name. The AFMC – John Ruedy Award for Innovation in Medical Education will be awarded to an individual or group who has developed innovative print materials, electronic learning aids or other teaching aids.

MUN MED 3D (Michael Bartellas, Dr. Stephen Ryan, Dr. Gary Paterno, Travis Pickett, and Dr. Adam Dubrowski), Faculty of Medicine, Memorial University

Since its inception in 2016, MUN MED 3D (Michael Bartellas, Dr. Stephen Ryan, Dr. Gary Paterno, Travis Pickett, and Dr. Adam Dubrowski) has led an initiative at Memorial University to enhance teaching and learning in the Faculty of Medicine through the innovative use of 3D printing. With the use of 3D printers, MUN MED 3D made it possible for educators to create anatomical models that are customized to specific topics and pathological conditions for teaching and learning in the undergraduate and postgraduate programs. The team has also established the MED 3D Network – an interconnected collective of health care design, 3D printing, and simulation labs across rural Newfoundland and Labrador.

Through 3D printing, MUN MED 3D and the MED 3D Network will continue have widespread impact by utilizing technology and innovation to address the challenges of delivering health care services to people living in rural communities across Canada and worldwide.

“She has played an instrumental role in my medical education thus far – I will be pursuing a career in Rheumatology in part because of the extremely positive learning experiences I’ve had as one of her trainees.”

Quoted from nomination

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“The MED 3D project has come up with a novel solution to an age old problem of continuing medical education in remote and rural setting.”

Quoted from nomination

The voice of academic medicine in Canada
AFMC AWARD WINNERS

AFMC Award for Outstanding Contribution to Faculty Development in Canada

The AFMC Award for Outstanding Contribution to Faculty Development in Canada recognizes excellence in faculty development by an individual faculty member in a Faculty of Medicine in Canada. This award is intended to emphasize the importance of faculty development in academic medicine.

Dr. Diane Clavet

Dr. Diane Clavet has left her mark at all levels by making a creative and transformative contribution to the advancement of faculty development. Her vision, unifying leadership and rigorous determination have made it possible, and continue to make it possible, to change practices and encourage real commitment on the part of teachers in their pedagogical development. Over the years, her work has structured and supervised the training of medical teachers (MD program, residency programs, continuing education) as well as nursing, physiotherapy and occupational therapy. She has developed multiple pedagogical tools, shared them and adapted them with colleagues at the local, national and international levels.

Dr. Clavet was the Vice-Dean of Pedagogical and Professional Development at the Faculty of Medicine and Health Sciences (FMSS) from 2010-2018 and the Director of the Centre de pédagogie des sciences de la santé at the University of Sherbrooke from 2008-2018.

“Her innovative thinking has influenced the development of faculty development not only provincially but also nationally.”

Quoted from nomination

AFMC – Gold Humanism Award and Lecture

The AFMC - Gold Humanism Award and Lecture was created in 2018 to emphasize, reinforce and enhance the importance of humanistic qualities among medical school students and faculty.

Dr. Jeffrey Turnbull

Dr. Turnbull has always been committed to medical education and has created humanistic learning environments by teaching ethics, empathy and service by example. Dr. Turnbull has established a unique model of care in Ottawa to provide primary health care to the homeless. He has brought together community partners to provide medical services that typically would be delivered in hospitals or clinics. He is widely recognized as an inspirational leader and a compassionate and caring person. As a teacher and a learner, he invests the time and energy needed to learn from his experiences and in turn teach others what he has learned. Dr. Turnbull believes that the best outcomes are rooted in the application of scientific knowledge, human emotion and the principles of equity and fairness for all.

Dr. Turnbull is the Medical Director of Inner City Health Project as well as Professor Medicine at the University of Ottawa.

“Dr. Turnbull exemplifies the leadership, benevolence and philanthropy that inspires everyone around him to also reach out with tangible responses to significant social issues that affect our most marginalized and vulnerable citizens”.

Quoted from nomination
AFMC AWARD WINNERS

AFMC – Charles Boelen International Social Accountability Award

The AFMC - Charles Boelen International Social Accountability Award was created in 2014. This AFMC award – named after Dr. Charles Boelen, a world leader in Social Accountability - aims to celebrate people or organizations whose professional accomplishments are an example of the principles of social accountability implemented as defined in the Global Consensus for Social Accountability of Medical Schools (www.healthsocialaccountability.org) and in internationally recognized references.

Northern Ontario School of Medicine

The Northern Ontario School of Medicine (NOSM) opened its doors in 2005. NOSM’s mandate is to improve the health of the people of Northern Ontario. It is the first medical school in Canada established with an explicit social accountability mandate.

Its model draws on the commitment, expertise and generosity of the peoples and communities across Northern Ontario. NOSM has been very successful at engaging and collaborating with the communities of Northern Ontario and the many different population groups, including Francophone and Indigenous peoples.

Clinical education takes place in over 90 communities across Northern Ontario. NOSM is the first medical school in the world in which all third-year medical students undertake a longitudinal integrated clerkship.

The entire NOSM team is involved in supporting various international academic institutions who are themselves engaged in actions for greater societal impact. NOSM has proven to be a successful strategy to address the health needs of Northern Ontario, improve access to quality health care, and contribute to the economic development of Northern Ontario.

‘As the first new medical school in Canada in over 35 years, under Dr. Strasser’s leadership, NOSM has developed an innovative model of distributed, community-engaged medical education.’

Quoted from nomination

Of NOSM’s graduates who have completed both their MD and residency programs at NOSM, 94% are now practicing in Northern Ontario.
AFMC acknowledges the work, contributions and efforts of its employees in achieving excellence in education, research and care for the health of all Canadians.