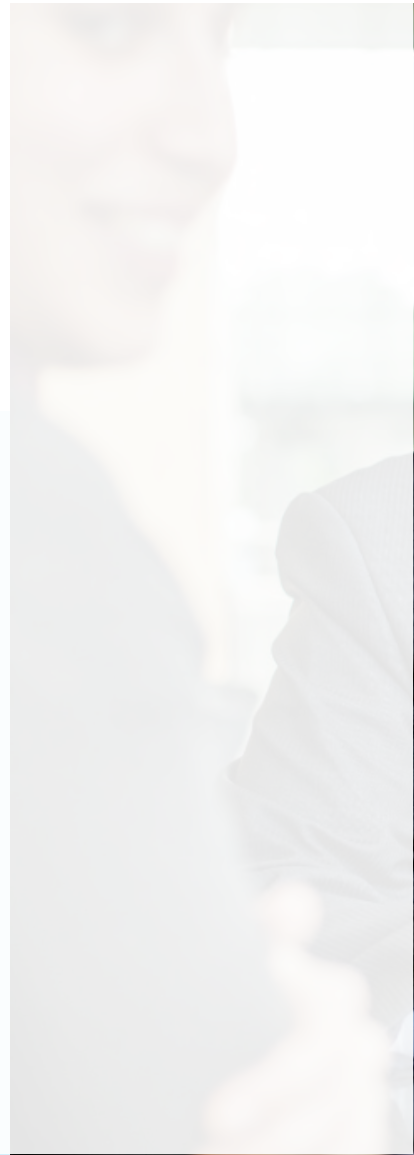




The University of Montreal and of the world.

2018 Rector's Report

Université 
de Montréal





Ripple Effect

At Université de Montréal, we closely track the spread of new ideas. They form through the dedicated work of our researchers and head out into the world from our campuses. Our role is to put these ideas into action, through teaching and our many collaborative projects. That is UdeM's ripple effect.

Guy Breton, *rector*

Montréal is AI

The Montréal Declaration

The development of artificial intelligence has to benefit everyone, not just a minority of people. That is the essence of the message of the Montreal Declaration for a Responsible Development of AI, which was drafted by 18 researchers in different fields after extensive public consultations. The wording promotes the values of ecology, the common good, democracy, well-being, equity, and diversity.



Headquarters for artificial intelligence

Bring together under one roof the top researchers in artificial intelligence, the industry's next generation, local start-ups, and R&D teams from major corporations, and you get the Mila, which now has a physical presence in Mile Ex. Founded by Dr. Yoshua Bengio, the Mila is the heart and the grey matter of Montréal's new artificial intelligence ecosystem.



The university as a citizen in action

Settling disputes online

Some conflicts with merchants can now be settled out of court through the online mediation platform PARLe, designed by the UdeM's Cyberjustice Laboratory. Close to 70% of the users of this free service, offered by Québec's Office de la protection du consommateur, reached an agreement in less than one month.



« Bonjour, que puis-je faire pour vous? »

The initiative to send UdeM students to help allophone small merchants in Côte-des-Neiges learn French at work was so successful that the number of participants quintupled in 2018, growing to 160. The program, created by the Chamber of Commerce of Metropolitan Montreal, has expanded to two other boroughs: Saint-Laurent and Villeray-Saint-Michel-Parc-Extension, and has been introduced in other cities.



Spirit of fellowship

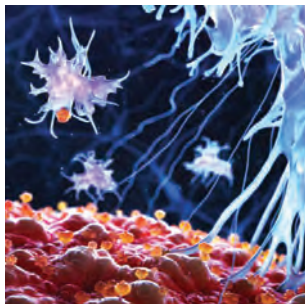
"Université de Montréal is located on land where Indigenous Peoples interacted well before the arrival of French settlers." Thus begins our land acknowledgement statement, responding to the call to action from the Truth and Reconciliation Commission of Canada. The text is read at the opening of formal ceremonies on our campuses.



Save a life, change the world

Close to a cancer vaccine

At the UdeM's Institute for Research into Immunology and Cancer, Dr. Claude Perreault's team showed the efficacy of a vaccine to treat cancer in patients already suffering from the disease. In just three years, Dr. Perreault hopes to test his discovery on patients suffering from incurable cancers.



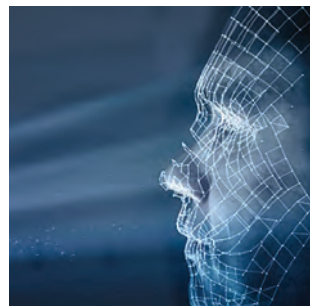
The first face transplant in Canada

Professor of plastic surgery Dr. Daniel Borsuk's achievement has earned him international recognition. The 30-hour surgery gave Maurice Desjardins a new face; the sixty-year-old was disfigured in a hunting accident. Dr. Borsuk made his mark for a second time in 2018 – along with his UdeM colleague Dr. Alexander Weil – by rebuilding the skull of a young girl suffering from hydrocephalus.



Universal health care

Thousands of people in need have difficulty accessing health care. UdeM brings it to them. The new social dentistry clinic Dentaville treats Centre-Sud patients at Hôpital Notre-Dame. This clinic joins several others, such as L'extension, which offer educational and health services to children in difficulty, and a mobile optometry clinic, which visits homeless shelters.



Getting behind our teachers!

A pathway to the profession

To ensure future teachers arrive at the university better prepared, UdeM and the Collège de Bois-de-Boulogne have created a unique educational path in Québec leading to our teacher training program. This path involves job shadowing in schools and new tailored courses, developed in cooperation with UdeM professors.



Reinforcements arrive

To alleviate the teacher shortage, the Faculty of Education has taken a new tack. It has organized its courses to allow students in their final year to teach year-round in preschool and primary school in Montréal and Laval. It's the start of a solution with promise.



A robot at school

The humanoid robot Nao, used by Dr. Thierry Karsenti, works wonders with students with learning disabilities.



Inspiring achievements

Les Bleus national champions

In Vancouver in November, the Carabins men's soccer team won its first Canadian championship in a victory over the Cape Breton University Capers. UdeM will host the finals in 2019.



University athlete of the year

Volleyball player Marie-Alex Bélanger received an Athlete of the Year Award, given to the top Canadian university athlete in any sport. The public relations student had an average of 3.98 kills per set, a national record.



Ups and downs

Millions of television viewers in over 130 countries had a chance to see the magnificent hills of the mountain campus during the Grand Prix cycliste de Montréal, where the top racing cyclists in the world competed. UdeM has been a partner for the race for nine years.

The green revolution has started

Ninjas of sustainable development

Launched in September, the new master's degree in Environment and Sustainable Development has been an instant success, which speaks volumes about the interest of students from all sorts of backgrounds for a career in the field. In his inaugural course, visiting professor Thomas Mulcair informed students that he wanted to make them "ninjas of sustainable development."



Changing the system one initiative at a time

The efficient reuse of resources, goods with several lives, and more responsible consumption: that is the promise of moving to a circular economy. The Institut de l'environnement, du développement durable et de l'économie circulaire (institute for the environment, sustainable development and the circular economy) brings together local initiatives on a new web platform, Québec circulaire, which is sure to become a go-to resource on the topic.



Thou shalt not waste

The zero waste movement is expanding at UdeM. At dinner time, our food services resell their surplus at cost to students in residence. Nutrition students have opened a bulk grocery store on campus. And some 50 dining rooms in our buildings now have composting bins, an employee initiative.



The art of wonder

Closer to the heavens

Architecture professor Manon Asselin has been chosen to redesign the interior of the dome of Saint Joseph's Oratory, one of Montréal's most visited landmarks. Her proposal features an ascent to an observatory at the summit, followed by a spiral descent accompanied by projections on the walls.



The Rolls-Royce of pianos

Thanks to the generosity of 70 donors, the Faculty of Music acquired a Hamburg factory Steinway Model D, the ultimate concert piano. In addition to delighting the audience at Salle Claude-Champagne, the piano will give our students who are aspiring to an international career a chance to show what they can do.



The poetry of heavenly bodies

To celebrate the 40th anniversary of the Mont Mégantic Observatory, two visual artists, Bettina Forget and Yann Pocreau, were invited to spend 15 nights in this UdeM Eastern Townships laboratory. The results of this unique residency were unveiled at the UdeM exhibition centre.





On the MIL Campus

When some 2000 science students go back to school in 2019, they will be attending the most avant-garde campus in the country. They will enjoy bright living environments, labs designed for the research of tomorrow and a unique library equipped with virtual reality equipment, a digital editing studio and a visualization lab, made up of a wall of 27 touch screens.



Under the stars

Open air cinema, urban farming, public markets: residents in neighbouring communities have appropriated the location during construction.



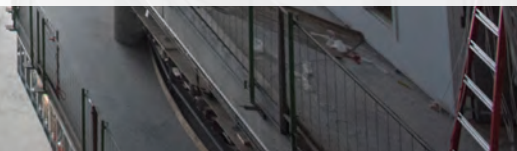
A new living environment

The MIL campus is at the root of an extensive urban redevelopment project in the heart of the island of Montreal.



A place to discover

New ideas that spring from the Science Complex will advance key sectors such as sustainable development, new materials and life sciences.



UdeM is...

One of the
top universities in the world.

Ranked **90th** internationally
(according to the Times Higher
Education ranking)

The **top** research
university in Québec

and the **3rd** in Canada

(according to the 2018 Research
Infosource ranking)

The Canadian French-language
university with the most
sought-after graduates
in the world.

Ranked **37^e** worldwide
(according to the 2018
Global Employability ranking)

One of Canada's
top **100** employers
(according to the Mediacorp ranking)



67 500 students

including 10 000
foreign students

and 7 000

permanent residents,
making it one of the most international
universities in Canada

2 400 professors
and researchers

2 900 lecturers

3 800 clinical professors

14 faculties and
schools

that offer training in virtually
every field of knowledge



2 affiliated schools:
HEC Montréal and Polytechnique Montréal

2 world-class university
hospital centres:
the CHUM and the CHU Sainte-Justine

A network of

27 affiliated health care
establishments and
the widest choice of health care
training in the country



1 university veterinary
hospital centre:
the CHUV in Saint-Hyacinthe

And 400 000
graduates who are changing
the world in every sector



*This data includes affiliated schools of UdeM,
Polytechnique Montréal and HEC Montréal.*



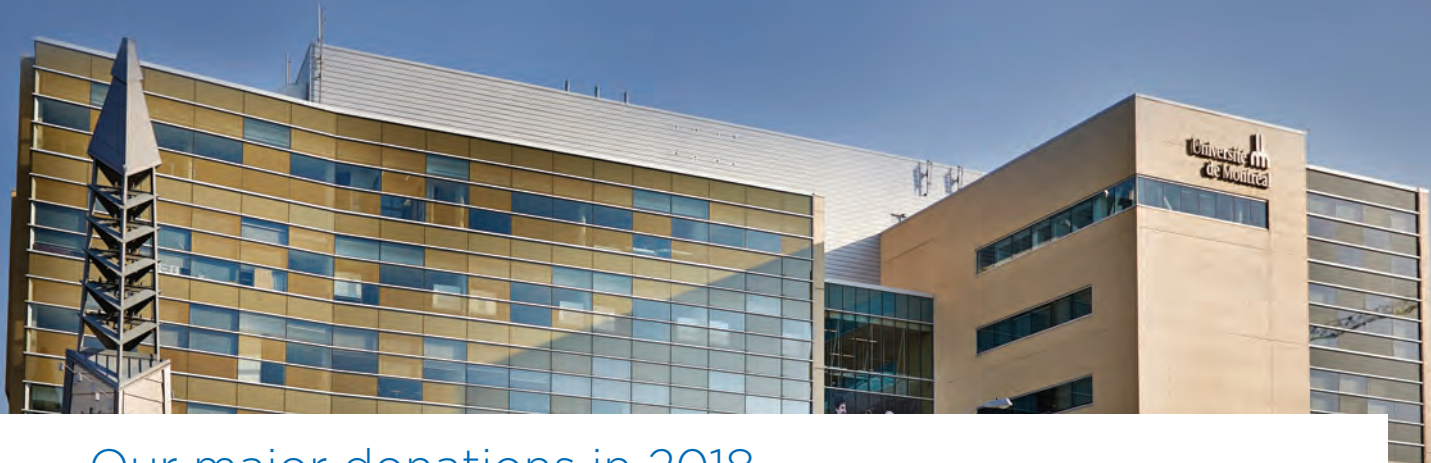
A New Milestone in Francophone Philanthropy



Before he passed away in December 2017, Guy Joron, who was a Minister in the government of René Lévesque, made an incredible gesture: he left his \$15 million fortune to the largest francophone university in North America, Université de Montréal, his alma mater.

This bequest, the largest in our history, gave major impetus to UdeM's planned giving campaign, with its \$50 million goal. We have already raised over \$29.5 million.

A huge thank you to all of our donors!



Our major donations in 2018

\$15 million

Guy Joron

to support projects by UdeM (\$12 million), HEC Montréal (\$1.5 million) and Polytechnique Montréal (\$1.5 million).

\$1.87 million

Google

for research at the Mila, the Quebec Artificial Intelligence Institute.

\$1.33 million

Fondation Courtois

to support research on brain modelling.

\$1.28 million

Panasonic

for research at the Mila, the Quebec Artificial Intelligence Institute.

\$1.2 million

Fondation Jean-Monbourquette

for the creation of the Jean-Monbourquette Chair on social support for the bereaved.

\$1 million

Louis Gagnon

for the creation of the Fellows HORizon fellowships program, for the design of innovative courses by doctoral students in the Faculty of Arts and Science.

Our Brilliant Graduates

In 2018, the 13,247 new UdeM graduates joined a community of some 400,000 graduates active around the world in all fields. Certain graduates have been attracting attention in recent months.



Manon Massé

The party she jointly heads up, Québec Solidaire, had 10 members of parliament elected in October 2018, the strongest showing in its history.

Theology 1986



Suzanna Randall

She is training for a mission aboard the International Space Station scheduled for 2020. She will be the first German woman in space.

Ph.D. in Astrophysics 2006



Jean-Marc Vallée

The series *Big Little Lies*, which he produces, took home four Golden Globes in 2018, including for Best Television Limited Series.

Film Studies 1984 and 1986



Alexandra Stréliski

The composer and performer made her mark on Québec's cultural landscape in 2018 with her second album, *Inscape*.

Music 2008



Olivier Hernandez

The director of operations of the Mont Mégantic Observatory and coordinator of the UdeM's Institute for Research on Exoplanets is now director of Montréal's Planétarium Rio Tinto Alcan.

Master's and Doctorate in Physics 1999 and 2005

Outstanding in the Community



A Wolf Prize for Gilles Brassard

The father of quantum cryptography and quantum teleportation, Gilles Brassard was awarded the 2018 Wolf Prize in Physics by the president of Israel. He shares the prize with American colleague Charles Bennett. The UdeM professor is the first Canadian to win this award, which has often served as a stepping stone to the Nobel.

A big year for Nabil G. Seidah

The professor of medicine, co-discover of the β -endorphine, is the first Quebecer to receive the prestigious Grand Prix scientifique de la Fondation Lefoulon-Delalande, associated with the Institut de France. In 2018, Nabil G. Seidah was also the first Canadian to receive the Louis and Arthur Lucian Award from McGill University, and he was one of *La Presse*'s personalities of the week.



UdeM shines at the Killam Prizes

Dr. André Gaudreault, from the Department of Art History and Film Studies, has won the Canada Council for the Arts' coveted 2018 Killam Prize in the humanities, worth \$100,000. Astrophysicist René Doyon received one of the program's six research awards.



One of the top young chemists

Dr. Jean-François Masson appears on the list of the top 40 analytical chemists under 40 by British magazine *The Analytical Scientist*.

A strong will... and a big heart

The founder and director of the Centre for Studies on Human Stress, Sonia Lupien won a Women of Distinction Award from the Women's Y Foundation of Montréal for her commitment to the well-being of her fellow citizens.



Honors

To see all the awards won by members of our community:
<http://distinctions.umontreal.ca/accueil/>

The Order of Canada



The country's greatest honour was granted to members of the UdeM community in recent months.

Promoted to Officers of the Order

Graduate Dr. **Christiane Ayotte** (Chemistry 1983), director of the INRS-Institut Armand-Frappier's Doping Control Laboratory, for her fight against doping in sport.

Graduate Dr. **Lise Bissonnette** (Education 1968 and Ph.D. in French Literature 2015), for her contribution to the world of communications and her help in creating the Bibliothèque et Archives nationales du Québec.

Dr. **Louise Nadeau**, for her decisive initiatives as a clinical psychologist and researcher who studies and treats the different forms of dependency.

Named Members of the Order

The professor and former dean of the Faculty of Dentistry Dr. **Gilles Lavigne**, for his innovative work to understand the interaction between pain and sleep disorders.

Historian and graduate Dr. **Paul-André Linteau** (History 1975), for his contribution to the history of Québec and Canada.

Judge **Morton S. Minc** (Law 1973), for his work to promote justice based on social rehabilitation and for the creation of innovative programs in Montréal's municipal court.

Former federal minister **Lucienne Robillard** (Social Service 1967 and Business Administration at HEC Montréal 1986), for her contribution to Québec and Canadian politics, particularly by improving public institutions.

Graduate Dr. **Yvonne Steinert** (Ph.D. in Clinical Psychology 1979), for her contribution to the evolution of teaching medicine in Canada.

Retired professor **Ronald Franklin Williams**, for his creations, teaching, and publications that have enriched our landscape architecture.

L'Ordre national du Québec



The Premier of Québec paid tribute to these luminaries who are members of the UdeM community.

Officer insignia

Jean-Pierre Charbonneau
Politician, journalist and author
(Criminology 1977)

Francine Lelièvre
Founder and executive director of Pointe-à-Callière, Montréal Archaeology and History Complex, and UdeM doctor *honoris causa*
(Language and Literature 1969)

Louise Mailhot
First judge of the Court of Appeal of Quebec for the district of Montreal (Law 1964)

Andrée-Lise Méthot
Founder and managing partner of Cycle Capital Management (Sciences 1997)

Pierre Nepveu
Professor emeritus in the Department of French Literature

Isabelle Peretz
Professor in the Department of Psychology

Guy Rocher
Professor emeritus in the Department of Sociology

Knight insignia

Michèle Boulanger-Bussière
Co-president and then director of administrative affairs at the École supérieure de mode de Montréal from 1995 to 2006
(Faculty of Continuing Education 1981)

André Gosselin
Co-founder of three companies: Les Fraises de l'île d'Orléans, Les Serres du Saint-Laurent and the Centre de recherche en horticulture (Sciences 1987)

Paul-André Linteau
Pioneer in the economic history of Québec
(Histoire 1975)

Patrick Paultre
Founder of the Centre d'infrastructures sismiques majeures interuniversitaire du Québec (Québec interuniversity centre for major seismic infrastructure) and the Centre d'études interuniversitaire des structures sous charges extrêmes (Québec interuniversity centre for structures under extreme loads)
(Polytechnique Montréal 1981)

Lili-Anna Pereša
President and executive director of Centraide of Greater Montréal
(Polytechnique Montréal 1987)

Fred Saad
Professor in the Surgical Department of the Faculty of Medicine

Danielle Sauvage
Cultural manager
(Political Science 1964)

Lorraine Vaillancourt
Professor in the Faculty of Music

The Royal Society of Canada



The Royal Society of Canada, which brings together the most prominent intellectuals, scientists and artists in the country, admitted four UdeM professors and two HEC Montréal professors to its ranks in 2018.

Valérie Amiraux

Department of Sociology

Patrick Cohendet

Department of International Affairs

(HEC Montréal)

Taïeb Hafsi

Department of Management

(HEC Montréal)

Stephen Michnick

Department of Biochemistry and
Molecular Medicine

Guy Sauvageau

UdeM's Faculty of Medicine and Institute for
Research in Immunology and Cancer

Luc Vinet

Department of Physics

The College of New Scholars, Artists and
Scientists of the Royal Society of Canada
welcomed two young UdeM professors.

Julie Hlavacek-Larrondo

Department of Physics

Mike Sapieha

Departments of Ophthalmology and
Biochemistry and Molecular Medicine

Les Prix du Québec



Four UdeM professors and an HEC Montréal professor won a Prix du Québec 2018, the highest honour in culture and science granted by the Québec government.

Prix Ernest-Cormier
(land use planning, architecture and design)

Manon Asselin
School of Architecture

Prix Armand-Frappier
(development of a research or administration
institution and the promotion of research)

Anne Bruneau
Department of Biology

Prix Gérard-Morisset
(heritage)

Christina Cameron
School of Architecture

Prix Georges-Émile-Lapalme
(French language)

Lise Gauvin
Department of French Literature

Prix Marie-Victorin
(natural sciences and engineering)

Gilbert Laporte
Department of Decision Science
(HEC Montréal)

Top

Our honorary doctorates of 2018



Louis Audet
President and CEO of Cogeco



Michèle Audette
Commissioner for the National Inquiry
into Missing and Murdered Indigenous
Women and Girls



Pierre Boucher
Director of Research and Innovation
at Ericsson Canada



Jean Chagnon
President and CEO of Lallemand

Tributes

Our honorary doctorates of 2018



Françoise David
Activist and founder of Québec Solidaire



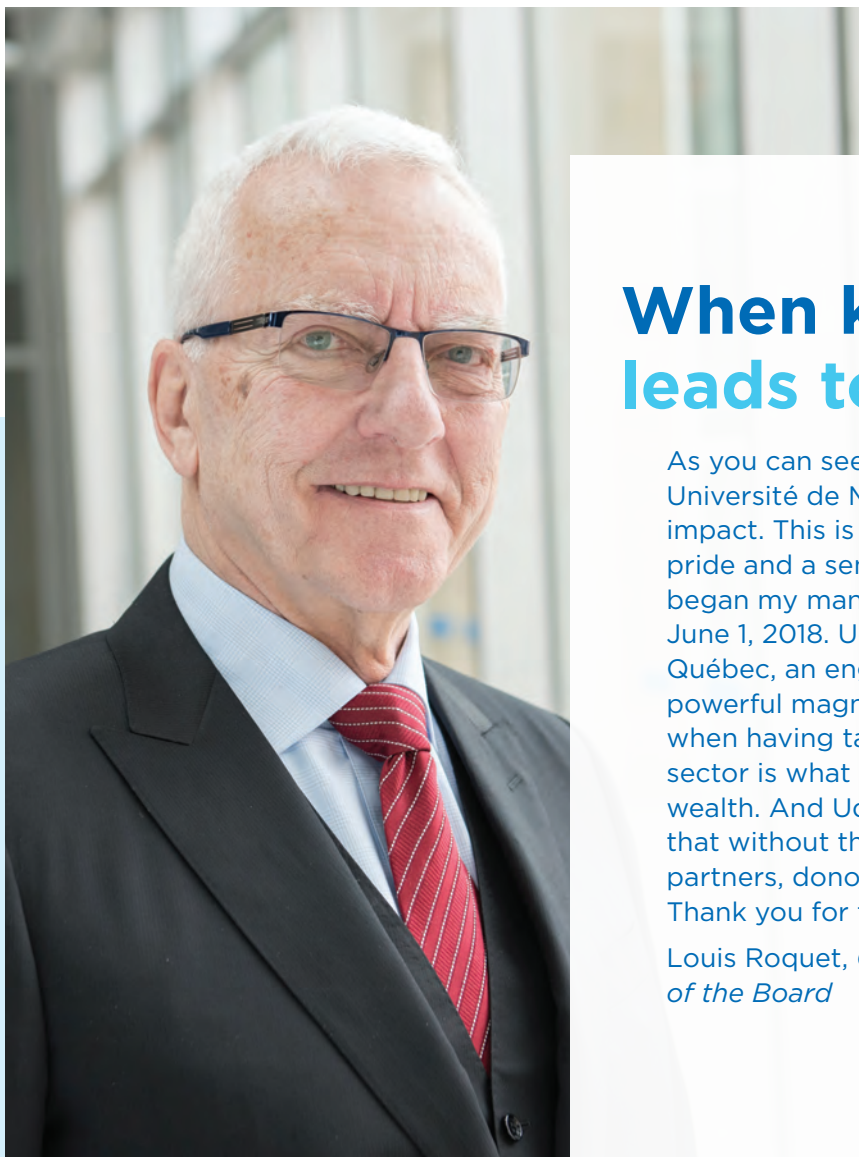
Marc Lalonde
Attorney and former Minister of
National Health and Welfare



Julie Payette
Astronaut and Governor General of
Canada



Jean Rochon
Professor, physician, politician and
father of public health in Québec



When knowledge leads to action

As you can see from this report, the Université de Montréal has a major impact. This is why it was with honour, pride and a sense of duty that I began my mandate as chancellor on June 1, 2018. UdeM is a champion of Québec, an engaged citizen and a powerful magnet for talent, at a time when having talented people in every sector is what makes our collective wealth. And UdeM would be none of that without the support of its many partners, donors, and friends. Thank you for thinking big with us.

Louis Roquet, Chancellor and Chair of the Board

Management and Governance

From the 21 volunteers who sit on the UdeM Board to the members of the management team, all are firmly committed to advancing knowledge.

Conseil de l'Université de Montréal

Chancellor and Chair of the Board

Louis Roquet

Corporate Director

Vice-Chair

Michèle Boisvert

Executive Vice-President, Business Outreach,
Caisse de dépôt et placement du Québec

Rector

Guy Breton

Jacques Girard

President of the Conseil des diplômés de
l'UdeM

Françoise Guénette

Attorney, Corporate Director

Jonathan Lafontaine

Student

François Le Borgne

Lecturer, Faculty of Law

Joanie Martineau

Student

Louise Nadeau

Full Professor, Faculty of Arts and Science

Michel Patry

Director, HEC Montréal

Sophie René de Cotret

Full Professor, Faculty of Education

Morris Rosenberg

Attorney, Corporate Director

Frantz Saintelley

President and CEO of the Groupe 3737

Philippe A. Tanguy

Director, Polytechnique Montréal

Luc Villeneuve

FCCA, FCA, Corporate Director

Members

Léa Cousineau

Ben Marc Diendéré

Senior Vice-President, Communications and
Public Affairs, La Coop fédérée

Josée Dubois

Full Professor, Faculty of Medicine

Madeleine Féquière

Director and Head of Corporate Credit,
Domtar Corporation

Louis Gaboury

Full Professor, Faculty of Medicine and
Director of the Department of Pathology and
Cellular Biology

Clermont Gignac

Corporate Director

Université de Montréal Management Team

Guy Breton
Rector

Louise Béliveau
Vice-Rector of Student and Academic Affairs

Marie-Claude Binette, Registrar

Michèle Brochu, Assistant Vice-Rector,
Graduate Studies

Julie Carrier, Associate Vice-Rector, Research
and Studies (also with the Vice-Rector of
Research, Discovery, Creation and Innovation)

Claude Mailhot, Assistant Vice-Rector,
Quality Promotion

Sylvie Normandeau, Assistant Vice-Rector,
Undergraduate Studies and Continuing
Education

Chantal Pharand, Assistant Vice-Rector
of Student Affairs and Success

Sébastien Roy, Associate Vice-Rector
of Student and Academic Affairs (also with
the Vice-Rector of Research, Discovery,
Creation and Innovation)

Jean Charest
Vice-Rector of Human Resources and Planning

Jean Pierre Blondin, Assistant Vice-Rector,
Faculty Affairs

Éric Filteau
Vice-Rector of Finance and Infrastructure

Ann-Isabelle Cojocar, Assistant Vice-Rector
of Administration and Sustainable Development

Matthew Nowakowski, Assistant Vice-Rector,
Finances

Marie-Josée Hébert
Vice-Rector of Research, Discovery, Creation and
Innovation

Daniel Lajeunesse, Associate Vice-Rector

Laurent Lewis, Associate Vice-Rector
(Nature and Technology)

Anne Marchand, Associate Vice-Rector
(Society and Culture)

Raymond Lalande
Vice-Rector of Alumni, Partnerships and
Philanthropy

Paul Lewis, Associate Vice-Rector

Guy Lefebvre
Vice-Rector of International Affairs and the
Francophonie

Monique C. Cormier, Associate Vice-Rector
of the French Language and the Francophonie

Jean Renaud
Chief of Staff and of Government Relations

Alexandre Chabot
Secretary General

Doyens

Christian Blanchette,
Dean, Faculty of Continuing Education

Hélène Boisjoly,
Dean, Faculty of Medicine

Frédéric Bouchard,
Dean, Faculty of Arts and Sciences

Michèle Brochu,
Acting Dean, Faculty of Graduate and
Postdoctoral Studies

Christian Casanova,
Director, School of Optometry

Jean-Marc Charron,
Acting Dean, Faculty of Music

Francine Ducharme,
Dean, Faculty of Nursing

Shahrokh Esfandiari,
Dean, Faculty of Dentistry

Raphaël Fischler,
Dean, Faculty of Environmental Design

Jean-François Gaudreault-Desbiens,
Dean, Faculty of Law

Réjean Hébert,
Dean, School of Public Health

Lyne Lalonde,
Dean, Faculty of Pharmacy

Pascale Lefrançois,
Dean, Faculty of Education

Christine Theoret,
Dean, Faculty of Veterinary Medicine





The University of Montreal
and of the world.

To learn more : recteur.umontreal.ca

› **ADDRESS**

P.O. Box 6128,
Downtown Postal Station
Montreal, QC H3C 3J7
CANADA

› **STREET ADDRESS**

2900, blvd
Édouard-Montpetit,
Montreal QC H3T 1P1
CANADA