

CONVOCATION COLLATION DES GRADES 2021

FALL / AUTOMNE



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McGill

FALL / AUTOMNE
NOVEMBER 25 / NOVEMBRE 25 2021 - 10 AM / 10 H



**CONVOCATION OF:
COLLATION DES GRADES DE :**

2021



FACULTIES FACULTÉS

Faculty of Dentistry

Faculty of Medicine and Health Sciences:

Ingram School of Nursing

School of Communication Sciences & Disorders

School of Physical & Occupational Therapy

School of Population & Global Health

School of Biomedical Sciences

Faculty of Science:

Including the B.A.&Sc.

Bieler School of Environment

School of Computer Science

Faculté de médecine dentaire

Faculté de médecine et des sciences de la santé :

École de sciences infirmières Ingram

École des sciences de la communication humaine

École de physiothérapie et d'ergothérapie

École de santé des populations et de santé mondiale

École des sciences biomédicales

Faculté des sciences :

Incluant le B. A./B. Sc.

École de l'environnement Bieler

École de l'informatique





OFFICERS OF CONVOCATION

DIGNITAIRES DE LA COLLATION DES GRADES

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Ms. Edyta Rogowska

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Professor Brendan Gillon

Professor Edith Zorychta

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VICE-PRINCIPALE EXÉCUTIVE ET VICE-PRINCIPAL AUX ÉTUDES

Professeur Christopher P. Manfredi

REGISTRAIRE

M^{me} Gillian Nycum

SECRÉTAIRE GÉNÉRALE

M^{me} Edyta Rogowska

CHEFS DU PROTOCOLE

Professeur Brendan Gillon

Professeure Edith Zorychta





PRINCIPAL'S MESSAGE MESSAGE DE LA PRINCIPALE

Congratulations to our newest alumni! I am so pleased that we are able to celebrate your achievements and success together, and in person. Today, as we also celebrate our Bicentennial, we welcome you to a network of over 275,000 people across more than 180 countries connected through their alma mater. McGill's alumni are committed to turning their knowledge, skills, and passions into making the world a better place. You will fit right into this wonderful community.

During your time at McGill, you have developed the capacity to dive deeper, the agility to adapt, and to take on the challenges of tomorrow. This has been especially true during the pandemic. I could not be more proud of the strength and resilience that you have demonstrated. We hope that McGill has provided you with opportunities that will open doors in your future, and allowed you to create memories and friendships that will last a lifetime.

We must also thank everyone who helped you get where you are today—parents, relatives, friends, mentors—this is a big moment for them as well, and I know that they join with us in celebrating your achievements.

Please stay connected!

PROFESSOR SUZANNE FORTIER, O.C.,
F.R.S.C.

Félicitations à nos nouveaux diplômés! Je suis ravie que nous puissions nous réunir virtuellement pour célébrer vos réalisations et votre réussite ensemble, et en personne. Aujourd'hui, nous célébrons également le Bicentenaire de l'Université, et nous vous accueillons au sein d'un réseau de plus de 275 000 membres répartis dans au-delà de 180 pays, tous unis par une même alma mater. Les diplômés mcgillois ont à cœur de mettre leurs connaissances, leurs compétences et leurs passions au service d'un monde meilleur. Vous êtes parfaitement à votre place au sein de cette formidable communauté.

Lors de votre passage à McGill, vous avez appris à aller au fond des choses, à vous adapter avec souplesse et à relever les défis de demain avec détermination. Au cours de la pandémie, ces acquis ont pris tout leur sens. Votre force et votre résilience sont pour moi une source de grande fierté. Nous espérons que l'Université McGill vous aura ouvert un monde de possibilités, et permis de créer des souvenirs impérissables et de nouer des amitiés durables.

Nous devons par ailleurs remercier tous ceux qui vous accompagnent aujourd'hui pour célébrer vos réussites – parents, proches, amis et mentors – en ce jour également si important pour eux. Tout comme nous, ils sont heureux de souligner ce grand moment à vos côtés.

Donnez-nous de vos nouvelles!

PROFESSEURE SUZANNE FORTIER, O.C.,
M.S.R.C.



MESSAGE FROM THE PRESIDENT OF THE M.A.A. MESSAGE DU PRÉSIDENT DE L'A.D.M.

Dear Members of the Class of 2021,
Congratulations on reaching this important milestone in your academic career.

A university experience is challenging at the best of times. I hope you feel tremendous pride in having persevered through your usual lectures, labs and exams under these most unusual circumstances.

I have no doubt that the pomp and circumstance of convocation was an occasion you were looking forward to celebrating with family and friends. Your virtual ceremony is still the occasion to mark the end of one great experience with McGill, and the beginning of a new phase in your life and your relationship with your alma mater.

Congratulations again, and welcome to the diverse alumni community that unites McGillians worldwide.

LUCIANO D'IORIO, BA'99

With 275,000 alumni around the globe, McGill is always nearby. Keep connected to classmates, a mentor or future employer at McGillConnect.ca.

Chers diplômés de la promotion de 2021,
Félicitations! Vous venez d'atteindre un jalon important.

Un parcours universitaire n'est jamais un long fleuve tranquille, mais la pandémie est venue semer des embûches inhabituelles sur votre route. Malgré tout, vous avez fait preuve de persévérance dans vos cours, laboratoires et examens, et j'espère que vous en tirez une grande fierté.

Vous attendiez sûrement avec impatience l'occasion de célébrer en grande pompe avec votre famille et vos amis lors de la collation des grades. Bien que votre cérémonie sera virtuelle, profitez-en pour souligner la fin d'une expérience enrichissante avec McGill et le début d'une nouvelle étape de votre vie et de votre relation avec votre alma mater.

Je vous félicite une fois de plus et vous souhaitez la bienvenue dans l'Association des diplômés, qui unit les McGillois du monde entier.

LUCIANO D'IORIO, B. A. 1999

Grâce à son réseau de 275 000 diplômés aux quatre coins de la planète, McGill n'est jamais loin. Trouvez vos futurs collègues, employeurs ou mentors sur le portail McGillConnect.ca.



HONORARY DEGREE OF
**DOCTOR OF
SCIENCE**

—
**DOCTORAT ÈS
SCIENCES
*HONORIS CAUSA***



ROBERT B. THIRSK, O.C., O.B.C.

**B.Sc. (University of Calgary), M.Sc. (Massachusetts Institute of Technology),
MD.CM. (McGill University), M.B.A. (MIT Sloan School of Management)**

**B.Sc. (Université de Calgary), M.Sc. (Massachusetts Institute of Technology),
MD.CM. (Université McGill), M.B.A. (MIT Sloan School of Management)**

A Canadian icon of science and space travel, Robert Thirsk has made great contributions to medicine, science, the Canadian Space Program, and science education in Canada.

Dr. Thirsk's distinguished career as member of the Canadian Space Agency's Astronaut Corps began in 1983. His first mission in 1996, was a 17-day flight aboard the space shuttle *Columbia*. During the mission, devoted to the study of life and materials sciences, he performed many very important experiments. In 2009, as a crew member of the *Expedition 20/21* mission to the International Space Station, he marked a milestone for the Space Program, as the first Canadian to take part in a long duration mission.

Robert Thirsk has been a tireless advocate for scientific education. He has worked with educational specialists to develop space-related curricula for grade school students bringing the wonders of space and the thrill of discovery into the classroom. After retiring in 2014 from his position in the Federal government, Dr. Thirsk served a four-year term as Chancellor of the University of Calgary.

The recipient of numerous honours and awards, Robert Thirsk's remarkable career as scientist and astronaut, his commitment to science education and his dedication to community engagement make him an inspiring role model for all.

À l'instar du cône canadienne des sciences et des voyages spatiaux, Robert Thirsk a apporté des contributions importantes à la médecine, aux sciences, au Programme spatial canadien et à l'enseignement des sciences au Canada.

Le Dr Thirsk a commencé sa brillante carrière comme membre du corps des astronautes de l'Agence spatiale canadienne en 1983. Sa première mission a eu lieu en 1996 : un vol de 17 jours à bord de la navette spatiale *Columbia*. Cette mission a été consacrée à l'étude des sciences de la vie et des matériaux et il a réalisé des dizaines d'expériences internationales. En tant que membre de l'équipage de la mission *Expédition 20/21* à destination de la Station spatiale internationale en 2009, il a marqué une étape importante du Programme spatial canadien, car il a été le premier Canadien à participé à une mission spatiale aussi longue.

Robert Thirsk a également été un ardent défenseur de l'enseignement des sciences. Il a travaillé avec des spécialistes de l'éducation pour créer des programmes d'enseignement sur l'espace destinés aux élèves des écoles afin de leur faire découvrir les merveilles du cosmos et le plaisir de la découverte. Après avoir pris sa retraite en 2014 du gouvernement fédéral, le Dr Thirsk a occupé pendant quatre ans le poste de chancelier de l'Université de Calgary.

Robert Thirsk est récipiendaire de nombreux prix et distinctions; et sa remarquable carrière en tant que scientifique et astronaute, son engagement envers l'enseignement des sciences et son généreux dévouement communautaire en font un modèle inspirant pour tous.



ORDER OF **CEREMONY**

DÉROULÉMENT DE LA
CÉRÉMONIE



★ PRESIDING

The Chancellor

★ MUSICAL PRELUDE

Please remain seated during the prelude.

★ CEREMONIAL PROCESSION

The musicians will signal the arrival of the Chancellor and other members of the platform party. Please rise and remain standing until after the singing of the University Song.

Members of the ceremonial procession will include, depending on the circumstances:

Marshals

Faculty members

Members of the University Senate

Members of the Board of Governors

Honorary degree candidates

Award winners

Secretary-General

Registrar

Provost and Vice-Principal Academic

Chair of the Board of Governors

Principal and Vice-Chancellor

Chancellor

★ THE UNIVERSITY SONG

Hail! Alma Mater

Hail! Alma Mater, we sing to thy praise;
Loud in thy honour our voices we raise.
Long through the ages remain, if God will,
Queen of the Colleges, dear old McGill.

★ LAND ACKNOWLEDGEMENT

★ CHANCELLOR'S ADDRESS

Mr. John H. McCall MacBain, O.C., LL.D.

★ PRINCIPAL'S ADDRESS

Professor Suzanne Fortier, O.C., F.R.S.C.

★ PRÉSIDENCE

Le chancelier

★ PRÉLUDE MUSICAL

Veuillez demeurer assis pendant le prélude.

★ CORTÈGE D'HONNEUR

Les musiciens annonceront l'entrée du chancelier et des autres membres du cortège d'honneur. Veuillez vous lever et demeurer debout jusqu'à la fin de l'hymne de l'Université.

Selon les circonstances, le cortège d'honneur sera composé des personnes suivantes :

Les chefs du protocole

Les membres du corps professoral

Les membres du Sénat de l'Université

Les membres du Conseil des gouverneurs

Les récipiendaires d'un doctorat

honoris causa

Les lauréats d'un prix

La secrétaire générale

La registraire

Le vice-principal exécutif et vice-principal aux études

Le président du Conseil des gouverneurs

La principale et vice-chancelière

Le chancelier

★ L'HYMNE DE L'UNIVERSITÉ

Hail! Alma Mater

Hail! Alma Mater, we sing to thy praise;
Loud in thy honour our voices we raise.
Long through the ages remain, if God will,
Queen of the Colleges, dear old McGill.

★ RECONNAISSANCE DES TERRES

★ DISCOURS DU CHANCELLIER

M. John H. McCall MacBain, O.C., LL.D.

★ DISCOURS DE LA PRINCIPALE

Professeure Suzanne Fortier, O.C., M.S.R.C.





★ PRESENTATION OF THE PRINCIPAL'S PRIZE FOR EXCELLENCE IN TEACHING

Faculty Lecturer

Dr. Giulia Alberini

Faculty of Science

Assistant Professor

Professor Signy Sheldon

Faculty of Science

In absentia

Introduced by:

Professor Christopher P. Manfredi,
Provost and Vice-Principal Academic

★ CONFERRING OF HONORARY DEGREE

Doctor of Science, *honoris causa*

Dr. Robert B. Thirsk

Introduced by:

Professor David H. Eidelman, *Dean*
Faculty of Medicine and Health Sciences

★ CONVOCATION ADDRESS

Dr. Robert B. Thirsk

★ CONFERRING OF DEGREES

Professor Christopher P. Manfredi

★ CONFIRMATION OF DEGREES

The Chancellor

★ CLOSING REMARKS

The Secretary-General

★ NATIONAL ANTHEM

O Canada! Our home and native land!
True patriot love in all of us command.
With glowing hearts we see thee rise,
The True North strong and free!
Ton histoire est une épopée des plus brillants exploits.
Et ta valeur, de foi trempée,
Protégera nos foyers et nos droits.
O Canada, we stand on guard for thee.

★ CONCLUSION

Members of the audience are requested to remain at their seats until the members of the platform party and the graduates have recessed.

★ REMISE DES PRIX DE LA PRINCIPALE POUR L'EXCELLENCE EN ENSEIGNEMENT

Chargeée d'enseignement

Mme Giulia Alberini

Faculté de science

Professeur adjoint

Professeur Signy Sheldon

Faculté de science

In absentia

Présentés par :

Professeur Christopher P. Manfredi,
Vice-principale exécutive et vice-principal aux études

★ REMISE D'UN DOCTORAT HONORIS CAUSA

Doctorat ès sciences *honoris causa*

M. Robert B. Thirsk

Présenté par :

Professeur David H. Eidelman, *doyen*
Faculté de médecine et sciences de la santé

★ ALLOCUTION DE CIRCONSTANCE

M. Robert B. Thirsk

★ REMISE DES DIPLÔMES

Professeur Christopher P. Manfredi

★ CONFIRMATION DES DIPLÔMES

Le Chancelier

★ MOT DE LA FIN

La secrétaire générale

★ HYMNE NATIONAL

O Canada! Our home and native land!
True patriot love in all of us command.
With glowing hearts we see thee rise,
The True North strong and free!
Ton histoire est une épopée des plus brillants exploits.
Et ta valeur, de foi trempée,
Protégera nos foyers et nos droits.
O Canada, we stand on guard for thee.

★ FIN

Les membres de l'assistance sont priés de demeurer à leur place jusqu'à ce que le cortège d'honneur et les diplômés aient quitté la salle.





GRADUATES

DIPLÔMÉS

McGill University's Convocation program is not an official record of graduation. The list of graduates is subject to final audit of degree requirements.

Le programme de la Collation des grades de l'Université McGill ne constitue pas une preuve officielle de l'obtention d'un diplôme. La liste des diplômés est assujettie à une vérification finale des exigences liées au diplôme.

FACULTY OF DENTISTRY

FACULTÉ DE MÉDECINE DENTAIRE

PROFESSOR ELHAM EMAMI, DEAN

DOCTOR OF PHILOSOPHY

CRANIOFACIAL HEALTH SCIENCES

Doaa Mohammed Taqi
Dental Phenotype in patients with osteogenesis imperfecta: A tooth type analysis
Direction: F. A. Tamimi Marino; J. Retrouvey

MASTER OF SCIENCE

DENTAL SCIENCES

Kristina Amja
Jack Botros
Matthew Shane Goldsmith
Romina Sotoodeh
Maria Verner

CERTIFICATE IN GENERAL PRACTICE RESIDENCY

Mai Abdel-Azim
Robert Abdulezer
Caroline Abi-Azar
Samy Boudjeltia
Marie-Claude Bourgeois
Mohamed El Azrak
Geneviève Gadbois
Adam Hasanee
Raquel Lee Herscovici
Mayhay Ho
Erin Leigh Ilagan
Valérie Illuzzi
Marc Iskandar
Brandon Korman
Catherine Long
Cathrine Mekhil Polis
Aaron William Miller
Quynh-Anh Nguyen
Maxime Rousseau
Arielle Sabbah
Adib Peter Sneij
Wenjia Wu

CERTIFICATE IN ORAL AND MAXILLOFACIAL SURGERY

Sina Hashemi

CERTIFICATE IN ORAL SURGERY INTERNSHIP

Sultanah Saad Alshahrani
Matthew Faigan

FACULTY OF MEDICINE AND HEALTH SCIENCES

FACULTÉ DE MÉDECINE ET DES SCIENCES DE LA SANTÉ

PROFESSOR DAVID H. EIDELMAN, DEAN

DOCTOR OF PHILOSOPHY

BIOLOGICAL AND BIOMEDICAL ENGINEERING

Linda Balabanian
Microtubule-based regulation of vesicular transport: navigating a complex microtubule roadmap
Direction: A. G. Hendricks

Yangchun Chen
Structural insights into pathogen-induced perturbation of host protein interactome
Direction: Y. Xia

Véronique Fortier
Evaluation of tumor hypoxia with magnetic resonance imaging
Direction: I. Levesque

Juanjuan Liu
Novel analytical biosensors for Point-of-Need applications
Direction: S. Wachsmann Hogiu

BIOMEDICAL ENGINEERING

Nathan Timothy Paul Jowett
Design of a neural prosthesis for facial reanimation and assessment in a rat model
Direction: R. Kearney; T. Hadlock

BIOSTATISTICS

Janie Coulombe
Causal inference on the marginal effect of an exposure: addressing biases due to covariate-driven monitoring times and confounders
Direction: R. Platt; E. E. Moodie

EXPERIMENTAL MEDICINE

Shriya Udayan Deshmukh
Dysregulation of H3K36 methylation in cancer and developmental disorders
Direction: N. Jabado

Elliot Lloyd Goodfellow

Synthesis and mechanism of action of novel combi-molecules designed to target cancers with disordered expression of EGFR or met
Direction: B. J. Jean-Claude

Kelly Renée McMahon

Cisplatin nephrotoxicity in children treated for cancer: improving acute kidney injury diagnosis and predicting kidney health outcomes after cancer therapy
Direction: M. Zappitelli

Seyedeh Maryam Mozafarinia

Effectiveness of a personalized health profile on specificity of self-management goals among people living with HIV in Canada
Direction: N. Mayo

EXPERIMENTAL SURGERY

Aren Bezdjian

Surgical innovations and stability outcomes of bone anchored hearing implants
Direction: S. Daniel;
B. M. Willie

Dominique Geoffrion

Probing mechanisms and improving management of glaucoma following Boston keratoprosthesis surgery
Direction: R. Koenekoop;
M. Harissi-Dagher

FAMILY MEDICINE & PRIMARY CARE

Anna Dion

Broadening what counts as expertise in perinatal health of under-served populations in Canada: participatory methods and Bayesian updating contextualize evidence synthesis in stakeholder knowledge
Direction: N. Andersson

Shinjini Mondal

Understanding the dynamics of multisectoral policy: An examination of implementation networks and governance practices on tobacco control in India
Direction: A. Maioni

Svetlana Puzhko

Improving prescribing practices in primary care: pharmacological treatment of depression in patients with excess weight
Direction: G. Bartlett-Esquillant

Ivan Sarmiento Combariza

Bridging western and indigenous knowledge to promote safe birth in cultural safety in Guerrero, Mexico
Direction: N. Andersson

HUMAN GENETICS

Andrea Bajic

Elucidating the role of oncohistones and oncohistone mimics in cancer
Direction: N. Jabado

Anthony Bayega

Genomic characterization of an agricultural pest, the olive fruit fly *Bactrocera oleae* using long-read DNA and RNA sequencing technologies
Direction: I. Ragoussis

Forough Noohi

Clinical introduction of mitochondrial replacement therapy in Canada: Towards a robust national strategy
Direction: Y. Joly

PSYCHIATRY

Janique Johnson-Lafleur

Multiple ways of looking: Learning from the experience of Montréal's transcultural seminars to foster cultural safety in youth mental health services
Direction: C. Rousseau

REHABILITATION SCIENCE

Rehab Salem Alhasani

Developing an ontology-based classification for mobility among individuals with acquired brain injury
Direction: S. Ahmed

MASTER OF ENGINEERING

BIOLOGICAL AND BIOMEDICAL ENGINEERING

Ali Ali

Jahnic Beck-Joseph
Patrick Alan Brebner
Dannie Fu
Ilias Lukas Hurley
Kyle Kavaseri
Shingyu Peter Kim
Dylan Walker Mann-Krzisnik
Patrick O'Neill
Michael Alexander Phelan

MASTER OF SCIENCE

COMMUNICATION SCIENCES AND DISORDERS

Elizabeth Antoine Carolan
Daphnée Dubé

EPIDEMIOLOGY

Jules Hugo Eustache
Jorge Luis Flores
Jonah Gorodensky
Brent Aitken Hopkins
Nehal Islam
Edgar Ortiz Brizuela
Talia Joss Sternbach

EXPERIMENTAL MEDICINE

Megan Allore

Mansi Arora
Alexandre Bazinet
Uri Bender
Rachel Katherine Catterall
Jessica Simcha Chetrit
Rosie Fountotos
Yu Sing Gu
Hoseok Jeon
Rami Karkout

Joshua M. Moise-Silverman

Monika Kacie Noble
Pedro Yuri Paiva Lima
Hetaben Patel
Nicole Robinson
Ramin Rohanzadeh
Parizad Varghaei
Wei Wei Wang
Samantha Josephine Worme

EXPERIMENTAL SURGERY

Hajar M. Salim Al-Mughairi
Mariam Khalid Alrashid
Augustin C. Barolet
Michelle Cwintal
Benjamin Désormeau
Ankita Dubey
Ali Mohammad Fazlollahi
Yazan Honjol
JiaMin Huang
Jean-Gabriel Lacombe
Meagane Maurice-Ventouris
Antone Nour
Hannah Olivia Peters
Shajenth Premachandran
Aryanne Ashley M. Santos

HUMAN GENETICS

Véronique Cholette

Anne-Sophie Chong
Thomas William Marsh
Neil Joseph Recio
Phillip Isaac Rosenbaum
Ajay Sahai
Maria Sotiropoulou
Yuan Zhuang

MEDICAL RADIATION PHYSICS

Giang Chau Bui
Sabrina Côté Maldonado
Kayla O'Sullivan-Steben
Alana Thibodeau-Antonacci

OTOLARYNGOLOGY

Amanda Jennifer Fanous

PSYCHIATRY

Andrea Carboni Jiménez
Laura Gallo Tapias
Emilia Gonzalez
Anika Natasha Maraj
Ingrid Olivia Norrmén-Smith
Hazal Ozlen
Marjolaine Rivest-Beauregard
Quinta Seon
MinJu You

REHABILITATION SCIENCE

Hala Ahmed Alharbi
Aeshah Alosaimi
Oliver Emre Aygun
LingXin He
Meihua Li
Lilyan Beth Merovitz-Budning
Patricia Anne Semeniuk

MASTER OF SCIENCE APPLIED

ADVANCED NURSING

Laura Crump
Angela Marie Priess

COMMUNICATION SCIENCES AND DISORDERS

Élisa-Uashtessiu Bacon
Yasmine Benkirane
Jessica Bohnet
Maude Brisson-McKenna
Timothy Warren Christilaw
Molly Catherine Clarke
Daniel James Dunn
Nadia El Hallaoui
Viviane Elkin Léger
Camille Gourgues
Adèle Guérard-Lakrout
Annika Kathleen Hanson
Christina Nicole Healy
Robin Nicole Henderson
Shila Kerr
Jessica Jean Nicole Kirby
Alexa Mary E. Livingstone
Rebecca MacCormack
Karleen Reina Muhlegg
Sarah Frances Mulhall
Isabella Carman Poitras
Gabrielle Marie Rouleau
Ève-Amélie Roy
Ella Mackay Singh
Bronte Smith
Anika Talukder
Audrey Turenne
Megan Paige Van Kannel
Tina Grace Rosalind Waring

NURSING

Emil Vitug

MASTER OF SCIENCE APPLIED - OCCUPATIONAL THERAPY

OCCUPATIONAL THERAPY

Alexa Cirillo

MASTER OF SCIENCE APPLIED - PHYSICAL THERAPY

PHYSICAL THERAPY

Sarah Harding
Mathilde Lavoie
Emily Lenet
Koty Negreanu
Rasha Razzak
Caroline Toulouse
Robyn Woodrow

GRADUATE DIPLOMA IN CLINICAL RESEARCH

Anita Hsieh
Ahmed Wahba

GRADUATE CERTIFICATE IN CHRONIC PAIN MANAGEMENT

Haley Kathleen Deamond
Saleema Hutchinson
Marla Rapoport

DOCTOR OF MEDICINE AND MASTER OF SURGERY

Aditi Bagyam Kantipuly
Rajan Walia

BACHELOR OF NURSING

Amanda Da Silva Gafoor
Vanessa Pontolillo

BACHELOR OF SCIENCE IN NURSING

Megan Santori



FACULTY OF SCIENCE

FACULTÉ DES SCIENCES

PROFESSOR BRUCE LENNOX, DEAN

DOCTOR OF PHILOSOPHY

ATMOSPHERIC AND OCEANIC SCIENCES

Ting-Chen Chen
Slantwise convection:
climatology, numerical
modeling, and
parameterization
Direction: M. Yau;
D. J. Kirshbaum

Sonja Drulke
A study of shallow-cumulus
dilution in large-eddy
simulations
Direction: P. Kollias;
D. J. Kirshbaum

Jing Feng
The impacts of convection
on upper-tropospheric and
lower-stratospheric water
vapor: a new perspective from
satellite observations
Direction: Y. Huang

Tsz Kin Lai
Impacts of asymmetric
dynamics on tropical cyclone
eyewall replacement cycles
Direction: M. Yau

BIOCHEMISTRY

Vinay Kumar Mayya
Understanding molecular
mechanisms of microRNA-
mediated gene silencing
Direction: T. Duchaine

Mathieu Paquette
Functional characterization
of the role of FLCN and AMPK
in autophagy
Direction: A. Pause

Brenda Janice Sanchez Sanchez
The role of HuR in muscle
development, function and
muscle-related diseases
Direction: I. Gallouzi

Bin Xiao
Re-wiring the mTORC1
pathway using mouse models
of breast cancer
Direction: W. Muller

BIOLOGY

Heather Ann Stewart
The role of foundation species
in shaping the biodiversity
of mangrove islands
Direction: A. H. Altieri;
L. J. Chapman

CELL BIOLOGY

Rongmo Zhang
Fibrillin-1 controls microRNAs
important for cell function
and the pathogenesis of
thoracic aortic aneurysms
Direction: D. Reinhardt

CHEMISTRY

Alejandra Dominguez Huerta
Palladium catalyzed carbon-
nitrogen bond formation:
towards the use of
bio-renewable resources
as starting materials
Direction: C. Li

Julie Ducharme
Investigation of cytochrome
P450 3A4 allosteric properties
Direction: K. Auclair

Dustin Duncan
Resensitization of bacteria to
the macrophage metabolite
taconatetaconate
Direction: K. Auclair

Alexandra Gelle
Shining light on plasmonic
silver nanoparticles
for catalysis
Direction: A. H. Moores-François

Yi Liu
Palladium Catalyzed
carbonylative approaches to
acyl electrophiles using ligand
effects or visible light
Direction: B. Arndtsen

Siting Ni
Gold nanocomposites:
synthesis and applications
Direction: R. Lennox

William Luke Odette
Amphiphilic ferrocene
derivatives: versatile redox-
responsive building blocks
of functional materials
Direction: J. Mauzeroll

Casey Michelle Platnick
Single-molecule fluorescence
methods for DNA
nanostructure assembly
and actuation
Direction: H. Sleiman; G. Cosa

Colin Sonnichsen
Ultrafast spectroscopy of ionic
and covalent semiconductor
nanocrystals
Direction: P. Kambhampati

Cassidy Robyn VanderSchee
Distribution and speciation
of tungsten in bone
Direction: D. S. Bohle

Yun Wang
Enzyme kinetics by isothermal
titration calorimetry:
applications to inhibition,
activation, and allosteric
interactions
Direction: A. K. Mittermaier

COMPUTER SCIENCE

Florence Clerc
Bisimulation and behavioural
equivalences for continuous-
time Markov processes
Direction: P. Panangaden;
L. Chen

Eric Grant Crawford
Learning object-oriented
models of the visual world
Direction: J. Pineau

Ali Emami
Towards the common-sense
understanding of text: Results,
resources and retrospection
Direction: J. Cheung

Olamilekan Noah Fadahunsi
Task allocation and scheduling
algorithms for network edge
applications
Direction: M. Maheswaran

Carlos Gonzalez Oliver
Origins, function, and patterns
of complex RNA structures
Direction: W. L. Hamilton;
J. Waldspuhl

Chen Ma
Towards effective
recommendation: Neural
networks and adaptive
learning
Direction: X. Liu

Richard Ayoola Olaniyan
Synchronization schemes
for internet of things and edge
intelligence applications
Direction: M. Maheswaran

Mashbat Suzuki
On fair division and
consensus voting
Direction: A. Vetta

Amy Zhang
State abstractions
for generalization in
reinforcement learning
Direction: J. Pineau; D. Precup

EARTH AND PLANETARY SCIENCES

Caitlin Marie Joan Beland
The contrasting geochemical
behaviour of Sc and the
other REE as exemplified by
the Crater Lake and Ashram
deposits, Québec, Canada
Direction: A. Williams-Jones

Kyeore Han
On modelling and physics of
ice-age ice sheet-sea level-
solid Earth interactions-level-
solid Earth interactions
Direction: N. Gomez

GEOGRAPHY

Laurence Côté-Roy
A kingdom of new cities: the
national aspirations, urban
imaginaries, and politics
of contemporary new city
building in Morocco
Direction: S. Moser

Maria Camila Florez Bossio
Climate change adaptation of
urban dwellers: A case study
in Lima, Peru
Direction: J. Ford; O. Coomes

Sarah M. Hau-Sing Mah
Active living environments,
physical activity, and
population health
Direction: K. Dasgupta;
N. A. Ross

Madeleine R. Steinmetz Wood
Healthy aging in the
neighborhood: Examining
the relationship between the
micro-scale built environment
and walking in older adults
Direction: N. A. Ross

MATHEMATICS AND STATISTICS

Mete Seref Ahunbay
Equilibria and efficiency of
sequential multiunit auctions
Direction: A. Vetta

David Ter-Borch Lilienfeldt
Algebraic cycles and
Diophantine geometry:
generalised Heegner cycles,
quadratic Chabauty and
diagonal cycles
Direction: H. Darmon

MICROBIOLOGY AND IMMUNOLOGY

Tyler Clarence Cannon
Investigation of the gut-brain
axis in Parkinson's disease
Direction: S. Gruenheid

Brendan Cordeiro
Molecular regulation of
dendritic cell activation
Direction: J. H. Fritz;
S. Gruenheid; C. M. Krawczyk

Sophie Elisabeth Cousineau
The poly(rC)-binding
proteins 1 and 2 regulate
hepatitis C virus infectious
particle assembly
Direction: S. Sagan

Mariia Taguer
Dynamics of gut bacterial
physiology in health and colitis
Direction: C. Maurice

Hualin Zhang
Investigating the role of
CD109 in skin immune
homeostasis and disease
Direction: I. King

NEUROSCIENCE

John Aspler
Fetal alcohol spectrum
disorder in Canada: An
interdisciplinary analysis
of media content and
stakeholder perspectives
Direction: E. Racine

Camille Boudreau-Pinsonneault
Endogenous regeneration
of the mammalian retina:
Identification of novel factors
for the reprogramming of
retinal glia to neurons
Direction: M. Cayouette

Zahraa Chorghay
Neuron-glia interactions
underlying activity-dependent
plasticity in the developing
visual system
Direction: E. S. Ruthazer

Elisa Guma

Investigating the role of
maternal immune activation
on neurodevelopmental
trajectories: connecting
neuroimaging, behavioural,
and molecular phenotypes
Direction: M. M. Chakravarty

Gina Kemp
The role of tumor necrosis
factor in mediating stress-
induced anxiety-like
behavior: A story of stress,
inflammation, and social
isolation
Direction: D. Stellwagen

Nardin Ishak Bishara Nakhla
Connectivity and computation
in the dorsal visual pathway
Direction: C. C. Pack

Oladayo Abidemi Oladiran
The role of macrophages
in autoimmune peripheral
neuropathy
Direction: J. Zhang

Noor Bassam Sharif
Characterizing structural
white matter connectivity
in pediatric development
Direction: A. Evans

Suzanne Carolina W. van der Veldt
Encoding of space and self-
motion by GABAergic cells
in the lateral septum
Direction: S. Williams

PHARMACOLOGY

Yubo Cao
Understanding the molecular
determinants for functional
selectivity of the angiotensin II
type 1 receptor
Direction: S. A. Laporte

Jace Jones-Tabah
Dissecting the pharmacology
and signaling of the dopamine
D1 receptor: from in vivo signal
transduction to transcriptional
regulation
Direction: P. Clarke;
T. E. Hebert

PHYSICS

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Characterizing ultra-hot jupiters through theoretical modelling and precise observations
Direction: N. Cowan
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Design and fabrication of phononic and photonic crystal optomechanical systems
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- Lenin Del Rio Amador
The stochastic seasonal to interannual prediction system: exploiting the atmosphere's memory for long-term forecasts
Direction: S. Lovejoy
- Albert Kamanzi
Single-molecule microscopy of polymers and nanoparticles in confinement with applications to genetic medicines and vaccines
Direction: B. J. Siwick; S. Leslie
- Dylan Keating
Comparative exoplanetology using thermal phase curves and Bayesian hierarchical modelling
Direction: N. Cowan
- Ioannis Tsiares
On some universal results in two dimensional conformal field theories
Direction: A. Maloney
- PSYCHOLOGY**
- Valérie D'Amour-Horvat
Dopaminergic tone, impulsive behaviour and mesocorticolimbic reactivity to drug-paired cues
Direction: M. Leyton
- Paige Ethridge
Pathways to depression: Identifying links between familial risk, stress, and abnormal neural response to reward
Direction: A. E. Weinberg
- Paul Grunberg
Development and Evaluation of a Novel Online Infertility Peer Support Program
Direction: P. Zelkowitz

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A self-determination theory analysis of self-critical and personal standards perfectionism: The role of goal-related autonomous motivation
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Jonas Nitschke

Effects of acute psychosocial stress on cognitive and affective empathy
Direction: J. Bartz

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Behavioural and neural mechanisms supporting rate flexibility of auditory-motor synchronization
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Sivaniya Subramaniapillai

Sex differences in the aging brain: understanding the role of individual differences in preserving cognition throughout the adult lifespan
Direction: M. N. Rajah

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A quantitative social systems approach to mentalizing among bilingual adults
Direction: D. Titone

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 Heng Jiang
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 Kameel Khan
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 Isaiah Royland Williams

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Victor Massenet
 Yuxin Shao
 Xinmiao Yan

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Zhennan Huang

STATISTICS AND COMPUTER SCIENCE

Tianhao Shan



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Undergraduate Research List*

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(Linguistics)
(Computer Science)



AWARDS AND DISTINCTIONS

PRIX ET DISTINCTIONS

DEAN'S HONOUR LIST

A graduand identified as being on the Dean's Honour List must have earned a cumulative grade point average within the top ten per cent of their faculty's graduating class.

HONOURS

Honours programs demand a high degree of specialization and require students to satisfy specific departmental requirements while maintaining a good academic standing. This category is designed to prepare students for graduate study. Joint Honours programs are available in related disciplines.

FIRST CLASS HONOURS

Graduating students registered in an Honours program who obtain a certain cumulative grade point average as established by their faculties are awarded "First Class Honours."

DISTINCTION

The notation of "Distinction," is awarded to students who have completed the required number of McGill credits for graduation and whose cumulative grade point average is in the top 25 per cent, but below the top ten per cent of their faculty's graduating class.

MEDALS AND PRIZES

Details of the various medals and prizes awarded to students may be found in the calendars of the faculties and of the School of Continuing Studies.

TABLEAU D'HONNEUR DU DOYEN

Un diplômé inscrit au tableau d'honneur du doyen doit avoir obtenu une moyenne pondérée cumulative qui le place dans le premier décile de sa promotion.

PROGRAMME SPÉCIALISÉ

Un programme spécialisé exige un niveau de spécialisation élevé. Les étudiants doivent satisfaire aux exigences propres à leur département tout en obtenant de bons résultats académiques. Cette catégorie prépare en général les étudiants à des études supérieures. Des programmes spécialisés mixtes existent dans des disciplines connexes.

MENTION « TRÈS BIEN »

La mention « Très bien » est attribuée aux étudiants inscrits à un programme spécialisé qui obtiennent une moyenne pondérée cumulative équivalente à une norme fixée par leur faculté.

DISTINCTION

La mention « Distinction » est décernée aux étudiants qui ont obtenu le nombre réglementaire d'unités de McGill en vue de l'obtention de leur diplôme, ainsi qu'une moyenne pondérée cumulative qui se situe dans la tranche supérieure de 25 pour cent pour leur promotion, mais en deçà de la tranche supérieure de dix pour cent.

PRIX ET MÉDAILLES

Divers prix et médailles sont décernés aux étudiants. On trouvera des précisions à ce sujet dans les annuaires des différentes facultés et dans celui de l'École d'éducation permanente.



MCGILL UNIVERSITY CEREMONIAL MACE MASSE CÉRÉMONIALE DE L'UNIVERSITÉ MCGILL



Commissioned by Sir Timothy O'Shea, Principal and Vice-Chancellor of the University of Edinburgh, and gifted to McGill University for the Spring 2014 convocation ceremonies, the mace was designed by students from the Edinburgh College of Arts (ECA) and manufactured in the workshops of Hamilton and Inches.

The large centrepiece of the mace, a champlevé enamelled head, was etched and enamelled in the ECA workshops under the supervision of Stephen Bottomley and features the crests of the Universities of Edinburgh, Glasgow, and McGill. It is a lasting symbol of the important historic ties between these three institutions.

The base of the mace was designed by McGill staff members Gilles McSween and Nello Marussi. It is crafted of oak and features a sliver of the "Founder's Elm," a tree located on the estate of James McGill.

Commmandée par Sir Timothy O'Shea, principal et vice-chancelier de l'Université d'Édimbourg, et offerte à l'Université McGill à l'occasion des cérémonies de collation des grades du printemps 2014, la masse a été dessinée par des étudiants du Edinburgh College of Arts (ECA) et fabriquée dans les ateliers d'Hamilton and Inches.

La pièce maîtresse de la masse, une imposante tête en émail champlevé, a été gravée et émaillée dans les ateliers du ECA, sous la supervision de Stephen Bottomley. Y ont été apposées les armoiries des universités d'Édimbourg, de Glasgow, et McGill. Cette œuvre se veut un symbole durable des liens historiques importants unissant ces trois institutions.

Faite de chêne, la base de la masse a été dessinée par Gilles McSween et Nello Marussi, membres du personnel de McGill. On y trouve un éclat de l'Orme du fondateur, un arbre situé sur le domaine légué par James McGill.



ACKNOWLEDGEMENTS

Faculty Marshals

Dr. Hua Ling

Professor Carlos Telleria

Convocation Team led by Ms. Heidi Emami,
Associate Registrar

Reader of Graduates' Names

Professor Robert Primavesi

The University would also like to thank the many members of the McGill community whose contributions in support of convocation help make each ceremony a truly memorable event.

MUSIC

Music is provided by the *Boreale Brass Quintet*, under the direction of Dr. Brian Sand, D.Mus. '04.

Professor Matthew Trevino is the vocalist and Mr. Nolan-Patrick Cunningham the piper.

CONVOCATION PHOTOGRAPHY

Each graduand will be photographed on stage. Photographs will be posted on Speq Photo's website at www.speqphoto.ca within 48 hours of convocation.

Contact Speq Photo at 514 351-8275, 1 800 363-1142 or sales@speqphoto.ca

REGALIA INFORMATION AND HISTORY

Please visit: <http://www.mcgill.ca/graduation/convocation/history>

REMERCIEMENTS

Chefs de protocole des facultés

M^{me} Hua Ling

Professeur Carlos Telleria

L'équipe de collation des grades dirigée par M^{me} Heidi Emami, registraire adjointe

Annonceur des noms des diplômés

Professeur Robert Primavesi

L'Université tient également à remercier les membres de la communauté mcgilloise dont les contributions au cours de la période de remise de diplômes font de chaque cérémonie un événement mémorable.

MUSIQUE

La musique est interprétée par le quintette *Boreale Brass*, sous la direction de M. Brian Sand, D. Mus. 2004.

Le professeur Matthew Trevino est le chanteur et M. Nolan-Patrick Cunningham est le cornemuseur.

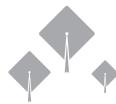
PHOTOGRAPHIE DE LA CÉRÉMONIE

Chaque diplômé sera photographié sur scène. Les photos prises lors de la collation des grades seront affichées sur le site de Speq Photo à www.speqphoto.ca dans les deux jours suivant la remise des diplômes.

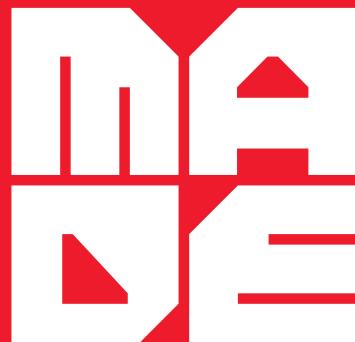
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