

OPEN SCIENCE IN ACTION

Inaugural Symposium

Monday, November 18, 2019

Jeanne Timmins Amphitheatre, The Neuro
Montreal, Quebec, Canada

Engage and exchange around **#OpenScienceinAction**
at The Neuro and beyond!



Centre universitaire
de santé McGill



AGENDA

- 8:30 - 9:00 am **OPENING REMARKS**
Jeanne Timmins Amphitheatre
- 9:00 - 10:00 am **MY OPEN SCIENCE STORY**
Jeanne Timmins Amphitheatre
Sylvain Baillet | Jean Gotman | Marco Prado | Jane Roskams
- 10:15 - 10:40 am **OPEN SCIENCE: LIVING YOUR CURE**
Jeanne Timmins Amphitheatre
Brian Wallach | Danielle Carnival
- 10:50 - 11:35 am **OPEN FOR BUSINESS: OPEN SCIENCE AND PHARMA PARTNERSHIPS**
Bell Room
Edward Fon | Diane Gosselin | Owen Roberts | Kumar Singh Saikatendu
OPEN SCIENCE AND PATIENT CONTRIBUTIONS
Jeanne Timmins Amphitheatre
Jason Karamchandani | Bartha Knoppers | David Buckeridge | Sir Rory Collins
OPEN SCIENCE BEYOND CANADA
de Grandpré Communications Centre
Masha Cemma | Alain Schuhl | Suzana Petanceska
- 11:45 - 12:15 pm **SUPPORTING THE INVISIBLE FOUNDATIONS OF SCIENCE**
Jeanne Timmins Amphitheatre
Dario Taraborelli
- 12:15 - 12:30 pm **REMARKS**
Jeanne Timmins Amphitheatre
Mona Nemer
- 12:30 - 1:30 pm **LUNCH AND NETWORKING**
Jeanne Timmins Foyer
- 1:30 - 1:45 pm **THE CYRIL AND DOROTHY, JOEL AND JILL REITMAN FOUNDATION PRIZE FOR OPEN SCIENCE IN ACTION**
Jeanne Timmins Amphitheatre
- 1:45 - 2:30 pm **OPEN SCIENCE METHODS FOR COMMUNITIES**
Jeanne Timmins Amphitheatre
John Wilbanks
- 2:40 - 3:25 pm **IMPLEMENTING OPEN SCIENCE: MTAs, CONTRACTS, COLLABORATION, AND COMMERCIALIZATION**
de Grandpré Communications Centre
Viviane Poupon | Richard Gold | Dylan Roskams-Edris
OPEN AND FAIR DATASETS
Jeanne Timmins Amphitheatre
Jean-Baptiste Poline | Chris Gorgolewski | Jennifer Stine Elam
Ian Mathews | Isabella Chu
OPEN LAB NOTEBOOKS: HOW WE GOT HERE AND WHAT'S NEXT?
Bell Room
Rachel Harding | Thomas Durcan
- 3:35 - 4:20 pm **TOWARDS AN OPEN SCIENCE ECOSYSTEM FOR NEUROIMAGING**
Jeanne Timmins Amphitheatre
Russell Poldrack
- 4:45 - 5:45 pm **WILDER PENFIELD LECTURE**
FUELING THE LIGHT OF OPEN SCIENCE: THE ROLE OF PRIVATE FUNDERS
Jeanne Timmins Amphitheatre
Susan M. Fitzpatrick

DIRECTOR'S MESSAGE

Guy Rouleau

Director, The Neuro

Chair, Department of Neurology and Neurosurgery, McGill University



I am pleased to welcome you to The Neuro's Inaugural Open Science Symposium, "Open Science in Action."

Since 1934, The Neuro's mission has been to deploy scientific research in service of patients, families and society.

We have been the site of many firsts, and I am proud that we once again led the way by becoming the first Open Science institution in the world in 2016.

Our goal is to trigger a shift in how we approach research into diseases of the brain and nervous system by breaking down barriers to collaboration and sharing.

We see Open Science as a way of accelerating neuroscience discovery, with the aim of speeding up the development of new and improved treatments for patients.

Our inaugural Open Science symposium will engage national and international partners, inform our community about Open Science practices, principles and progress, and highlight the unique features of Open Science at The Neuro.

The symposium will close with the Wilder Penfield Lecture "Fueling the Light of Open Science: The Role of Private Funders," by Susan M. Fitzpatrick, President of the James S. McDonnell Foundation.

We hope you will enjoy what promises to be a stimulating event and build lasting connections around Open Science.

A blue ink handwritten signature of Guy Rouleau, consisting of stylized initials and a long horizontal flourish.

Dr. Guy Rouleau OQ, MD, PhD, FRCP(C), FRSC

SPONSORS

The Neuro gratefully acknowledges and appreciates the generous support of our sponsors.



Thank you to the following for their generous gifts-in-kind:



PROGRAM

MONDAY, NOVEMBER 18, 2019

[See [French program](#) online]

8:00 – 8:30 AM **REGISTRATION** | *Jeanne Timmins Foyer*

MASTER OF CEREMONIES: Susan Usher, Director of the Health Innovation Forum

8:30 – 9:00 AM **OPENING REMARKS** | *Jeanne Timmins Amphitheatre*

Guy Rouleau, Director, The Neuro
Suzanne Fortier, Principal and Vice-chancellor, McGill University
Rémi Quirion, Chief Scientist of Québec
Lucie Opatrny, Sous-ministre adjointe, Direction générale
des affaires universitaires, médicales, infirmières et pharmaceutiques (DGAUMIP),
Ministère de la Santé et des Services sociaux, Gouvernement du Québec

9:00 – 10:00 AM **MY OPEN SCIENCE STORY** | *Jeanne Timmins Amphitheatre*

MODERATOR: Sylvain Baillet
Chair, Open Science Grassroots Initiatives Committee, The Neuro

PANELISTS:

Jean Gotman, Open iEEG Atlas, The Neuro
Marco Prado, Canada Research Chair in Neurochemistry of Dementia, Scientist,
Robarts Research Institute, University of Western Ontario
Jane Roskams, Chair, Data Analytics, Training and Education, Canadian Open
Neuroscience Platform

Science is a journey; Open Science is the extra mile. Hear from scientists who have been brave enough to dive into building open resources to accelerate research. They will review the impact it has had on their scientific communities, the difficulties they encountered, and what they would have done differently along the way.

10:00 – 10:15 AM **BREAK**

10:15 – 10:40 AM **OPEN SCIENCE: LIVING YOUR CURE** | *Jeanne Timmins Amphitheatre*

Brian Wallach, Co-Founder and Board Member, I AM ALS
Danielle Carnival, CEO, I AM ALS

When Brian Wallach was diagnosed with ALS at 37 years old, he turned that devastating diagnosis into a movement -- into hope for all people living with ALS and other neurodegenerative diseases, so that together, we could speed up the discovery of cures. Join us for a conversation about a patient-led, patient-centric movement that is already changing how we combat disease.

10:50 – 11:35 AM **BREAKOUT SESSIONS**

1. Open for Business: Open Science & Pharma Partnerships
Bell Room

MODERATOR: Edward Fon, Scientific Director, The Neuro

PANELISTS:

Diane Gosselin, President and CEO, CQDM
Owen Roberts, CEO, M4K Pharma; CEO, Nobelex Biotech
Kumar Singh Saikatendu, Associate Director, Global Research Externalization, Takeda

Too many brain diseases are without treatments and this needs to change. Learn more from leading examples on how an Open Science collaborative drug discovery and development model can bring together key players from academic institutions, pharma and biotech companies to accelerate the drug discovery process.

10:50 – 11:35 AM

2. Open Science and Patient Contributions

Jeanne Timmins Amphitheatre

MODERATOR: Jason Karamchandani

Associate Professor, Department of Pathology

Scientific Director, Clinical Biological Imaging and Genetic Repository, The Neuro

PANELISTS:

Bartha Knoppers, Director, Centre of Genomics and Policy, McGill University

David Buckeridge, Professor, School of Population and Global Health, McGill University; Medical Director, McGill University Health Centre's Data Warehouse

Sir Rory Collins, UK Biobank Principal Investigator; Head of Nuffield Department of Population Health, University of Oxford (*via web conferencing*)

This session will discuss patient contributions to scientific research and therapy discovery. Researchers and industry partners recognize the tremendous value of patient materials and data, but what are the implied risks to the patients? How should we balance collecting invaluable patient contributions with our responsibility to protect patient privacy?

3. Open Science Beyond Canada | *de Grandpré Communications Centre*

MODERATOR: Masha Cemma

Policy Advisor, Office of the Chief Science Advisor of Canada

PANELISTS:

Alain Schuhl, Chief Research Officer, French National Centre for Scientific Research

Suzana Petanceska, Program Director, Systems Biology and Systems Pharmacology; Senior Advisor, Strategic Development and Partnerships, Division of Neuroscience, National Institute on Aging/National Institutes of Health

Open Science provides great promise for researchers globally. New approaches to scientific exchange and collaboration are emerging and becoming increasingly popular. In this session, learn more about the initiatives and actors advancing Open Science practices in the USA and France.

11:45 AM – 12:15 PM **SUPPORTING THE INVISIBLE FOUNDATIONS OF SCIENCE**

Jeanne Timmins Amphitheatre

Dario Taraborelli, Science Program Officer, Open Science, Chan Zuckerberg Initiative

One of the ways we can foster open, collaborative research is by supporting and rewarding the creators and maintainers of open outputs – software, data, methods – that underpin modern science. Learn about the priorities and opportunities CZI is working on to make these critical (and often invisible) contributions visible, fundable, and recognized.

12:15 – 12:30 PM

REMARKS | Jeanne Timmins Amphitheatre

Mona Nemer, Chief Science Advisor, Government of Canada

12:30 – 1:30 PM

LUNCH AND NETWORKING

1:30 – 1:45 PM

THE CYRIL AND DOROTHY, JOEL AND JILL REITMAN FOUNDATION PRIZE FOR OPEN SCIENCE IN ACTION

Jeanne Timmins Amphitheatre

ANNOUNCEMENT: Sylvain Baillet, Chair, Open Science Grassroots Initiatives Committee, The Neuro

REMARKS: Joel Reitman, The Reitman Foundation

1:45 – 2:30 PM

OPEN SCIENCE METHODS FOR COMMUNITIES

Jeanne Timmins Amphitheatre

John Wilbanks, Chief Commons Officer, Sage Bionetworks

The conceptual origins of Open Science in open source software have led to approaches centered entirely around open data, open access, open notebook science, and more. While these approaches attempt to reset the default from closed to open, every default has its own externalities, including open. This talk will explore how communities can leverage Open Science as a suite of methods but also may depend on “safe” environments to share early hypotheses privately, and the relationship of epistemic diversity to Open Science.

2:30 – 2:40 PM

BREAK

2:40 – 3:25 PM

BREAKOUT SESSIONS

1. Implementing Open Science: MTAs, Contracts, Collaboration, and Commercialization | *de Grandpré Communications Centre*

MODERATOR: Viviane Poupon, COO, Tanenbaum Open Science Institute; Director, Scientific Development and Partnerships, The Neuro

PANELISTS:

Richard Gold, Professor and founding Director of the Centre for Intellectual Property Policy, McGill University

Dylan Roskams-Edris, Open Science Alliance Officer, Tanenbaum Open Science Institute, The Neuro

As more researchers are embracing Open Science practices, the development of new contractual arrangements and commercial strategies are needed to structure Open Science collaborations and partnerships, and to translate results into products that serve the public good. Learn more about open material transfer agreements (MTAs), open collaboration and partnerships agreements, open commercialization strategies, and other agreements needed to implement Open Science.

2. Open and FAIR Datasets | *Jeanne Timmins Amphitheatre*

MODERATOR: Jean-Baptiste Poline, Associate Professor, Neurology and Neurosurgery, The Neuro, McGill University

PANELISTS:

Chris Gorgolewski, Senior Software Engineer, Google DataSearch Project

Jennifer Stine Elam, Director, Scientific Outreach and Education, Human Connectome Project, Washington University in St. Louis School of Medicine
Ian Mathews, Co-founder, Redivis

Isabella Chu, Associate Director, Data Core, Stanford Center for Population Health Sciences, Stanford School of Medicine

This session will explore the wide dissemination, access, visualization and information extraction from life sciences datasets - with specific examples from brain imaging and population health data - and the broader challenge of annotating datasets with metadata to make them findable.

2:40 – 3:25 PM **3. Open Lab Notebooks: How we got here and what's next?**
Bell Room

Rachel Harding, Huntington's Disease Society of America Fellow,
Structural Genomics Consortium, University of Toronto
Thomas Durcan, Associate Director, Early Drug Discovery Unit, The Neuro

In this practical session on how to develop Open Lab Notebooks, we will discuss how to make an impact on different stakeholder communities by sharing your science in real time and build lasting collaborations to advance science, with Q&A.

3:25 – 3:35 PM **BREAK**

3:35 – 4:20 PM **TOWARDS AN OPEN SCIENCE ECOSYSTEM FOR NEUROIMAGING**
Jeanne Timmins Amphitheatre, via web conferencing to reduce his carbon footprint

Russell Poldrack, Director, Stanford Center for Reproducible Neuroscience;
Albert Ray Lang Professor of Psychology, Stanford University

Within the field of neuroimaging, Open Science has become the norm. Learn more about the set of tools, standards, and resources that have enabled the development of Open Science in this domain, and the lessons learned from this success.

4:20 – 4:45 PM **BREAK**

4:45 – 5:45 PM **WILDER PENFIELD LECTURE | Jeanne Timmins Amphitheatre**
Fueling the Light of Open Science: The Role of Private Funders

INTRODUCTIONS:

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

Madeleine Sharp, Member, Open Science Grassroots Initiatives Committee
The Neuro

LECTURER:

Susan M. Fitzpatrick, President, James S. McDonnell Foundation

The founding of The Neuro in 1934 and the crucial support of the Rockefeller Foundation is an invaluable case study of the factors that weigh into what it takes to fulfill a powerful scientific vision and how it is that private foundations make funding decisions. Addressing the pressing needs for treatments for those suffering from neurological disorders and the hope that the required advances derive from integrating basic neuroscience with clinical brain sciences that ignited the founding of The Neuro is still, 85 years later, a urgent and global moral imperative. Why is it so challenging to effectively treat neurological diseases? Will the opportunities associated with the adoption of open science principles and practices be the promised game changer for society? What is the appropriate role for private funders to play as academic science undergoes a major cultural transformation?

5:45 PM **CLOSING REMARKS | Jeanne Timmins Amphitheatre**

Guy Rouleau, Director, The Neuro

6:00 PM **RECEPTION AND NETWORKING**

SPEAKERS

In order of appearance

Sylvain Baillet

Chair, Open Science Grassroots Initiatives Committee
The Neuro



Sylvain Baillet is Professor of Neurology & Neurosurgery, Biomedical Engineering and Computer Science at the Montreal Neurological Institute. He holds the Tier-1 Canada Research Chair in Neural Dynamics of Brain Systems at McGill University. His main research contributions are in neuroimaging methods and multiscale, quantitative electrophysiology, with emphasis on magnetoencephalography (MEG) for time-resolved brain imaging, with transfers to EEG. He has initiated impactful open-source software developments (Brainstorm), efforts for data harmonization (MEG-BIDS) and data sharing (the Open MEG Archive/OMEGA). He currently chairs

the Grassroots Initiatives Committee for the Tanenbaum Open Science Institute at The Neuro.

As program leader, Sylvain founded 2 neurophysiology core units in Canada and the US and was Director of the McConnell Brain Imaging Centre at The Neuro in 2013-17. He has recently been nominated Associated Dean, Research, of McGill's Faculty of Medicine.

Marco Prado

Canada Research Chair in Neurochemistry of Dementia
Robarts Research Institute, University of Western Ontario



Marco Prado is a Canada Research Chair in Neurochemistry of Dementia with strong interest in understanding how molecular and cellular changes in neurodegenerative diseases contribute to protein misfolding and cognitive failure.

In recognition for his research, Marco Prado received the prestigious Guggenheim Fellowship (Guggenheim Foundation), a Faculty Scholar Award and Dean's Research Excellence Award (both at University of Western Ontario) and a visiting faculty award from the Brazilian Government.

His laboratory has been funded consistently in the last 24 years by government and private agencies in three different countries (Brazil, USA and Canada).

He has published over 160 peer-reviewed manuscripts and he is currently spearheading an Open Science Repository for high-level cognitive data obtained with mouse models of neurodegenerative diseases. This effort will support a community of more than 300 laboratories to increase reproducibility and replicability of cognitive datasets in pre-clinical research.

Jean Gotman

Open iEEG Atlas
The Neuro



Jean Gotman's research laboratory investigates the mechanisms of generation of epileptic discharges as recorded in the electroencephalogram (EEG) of epileptic patients. His work aims to improve both our understanding of epileptogenesis and our diagnostic techniques. Combining functional imaging techniques (fMRI) and EEG in a novel non-invasive approach, his group studies the brain regions in which abnormal activity is taking place when a discharge occurs. The laboratory also analyzes patterns of High Frequency Oscillations recently discovered in the EEG, which could improve the ability to localize epileptogenic regions and to understand better epileptogenesis.

Jane Roskams

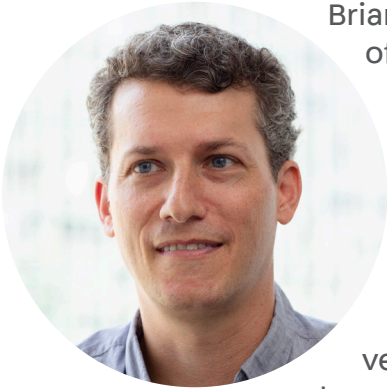
Chair, Data Analytics, Training and Education
Canadian Open Neuroscience Platform



For over 2 decades, Dr Jane Roskams has developed innovative collaborations across sectors and silos to advance our understanding of how we promote plasticity in the brain when it is challenged with disease, injury and aging. She is also considered an open brain data pioneer. With current appointments at the Universities of British Columbia and Washington, she currently focuses on building new bridges across the tech-brain research divide to accelerate open data-driven discovery for brain disorders. Jane co-leads the first NSF/NIH-funded international platform for crowd-sourced brain data analysis (Mozak) – studying how collective human analysis of brain data online can synergistically enhance machine learning and AI. She is also leading the expansion of global opportunities in neuroscience training and education in neuroinformatics (with the INCF, Karolinska, and IBRO, Paris), and other key initiatives for the Canadian Open Neuroscience Platform (CONP). Through her key roles within the BRAIN Initiative, Allen Institute, Gates Foundation and the Brain Commons, Jane has contributed to multiple roadmaps for brain data sharing and open science-based discovery.

Brian Wallach

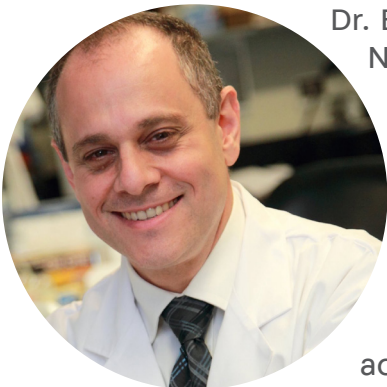
Co-Founder
I am ALS



Brian Wallach is an attorney and ALS patient. In the aftermath of his diagnosis in November 2017, he and his wife founded I AM ALS, a patient-led, patient-centric movement to lead the fight for a cure to the disease. Wallach is also an associate at the law firm Skadden, Arps, Slate, Meagher & Flom LLP. From 2014 to 2018, he served as an assistant United States attorney in the Northern District of Illinois. From 2011 to 2013, he was senior vetting counsel in the Obama White House, responsible for overseeing the vetting process for nearly all Senate-confirmed executive branch appointees and all presidential appointments as well as working on congressional oversight investigations.

Edward Fon

Scientific Director
The Neuro



Dr. Edward A. Fon is the Scientific Director of the Montreal Neurological Institute and Professor in the Department of Neurology and Neurosurgery at McGill University. He is a Clinician-Scientist and Director of the FRQS Quebec Parkinson Network. His research focuses on the molecular mechanisms of neurodegeneration in Parkinson's disease (PD) and he has pioneered a new Open Science platform at the MNI using patient-derived stem cells to generate neurons and 3D mini-brains to accelerate the discovery of new treatments for PD.

Diane Gosselin

President and Chief Executive Officer
Consortium Québécois sur la Découverte du Médicament (CQDM)



An accomplished scientist and leader, Diane Gosselin has been very involved in the financing of innovative biomedical research for over 20 years. Since 2012, she is President and Chief Executive Officer of CQDM. Before joining CQDM, Diane worked for the Fonds de solidarité FTQ (2003-2008) where she helped several companies implement their drug development strategy. In addition, she actively contributed to a strategic initiative designed to stimulate innovation in the life sciences sector. Diane currently sits on the Board of Montreal InVivo, the Canadian Institutes of Health Research (CIHR), Ontario Genomics, CATALIS Quebec and CQDM.

Diane Gosselin holds a Ph.D. in microbiology and immunology from Université de Montréal, as well as an Executive MBA from Université du Québec à Montréal (UQAM) and Université Paris-Dauphine. She is the awardee of the 2014 UQAM's Business School Alumni "Coup de Coeur" of the jury Award for her achievements in the life sciences sector.

Owen Roberts

Chief Executive Officer, M4K Pharma
Chief Executive Officer, Nobelex Biotech



Owen is the Chief Executive officer of Nobelex Biotech Inc and M4K Pharma. M4K Pharma is a company dedicated to discovering, developing and commercializing affordable new medicines for children's orphan diseases through open science. Partnering with academics, foundations and industry groups to fund its drug discovery and drug development programs, M4K Pharma uses the open science principles of data sharing to encourage research collaborations and to reduce the cost of its programs.

Prior to founding M4K Pharma in 2017 and Nobelex in 2014, Owen was a co-founder of Affinium Pharmaceuticals, a privately held, clinical stage, antibiotic company. At Affinium, Owen was the CFO and led the company's business development until the successful sale of Affinium's antibiotic programs to Debiopharm International, S.A. in February 2014. Prior to Affinium, in 1998, Owen helped create Borealis Biosciences, one of two companies which would merge to form Affinium in 2000. A graduate of McGill University, Owen is also a Chartered Financial Analyst.

Jason Karamchandani

Associate Professor, Department of Pathology
Scientific Director, C-BIG Repository, The Neuro



Dr. Karamchandani is a clinical neuropathologist at The Neuro and an associate professor in the Department of Pathology. He completed undergraduate studies in Biochemistry cum laude at Harvard University and then proceeded to Stanford University for medical school where he remained for residency in anatomic pathology, followed by fellowship training in surgical pathology and neuropathology. After several years at the University of Toronto, he moved to McGill and The Neuro, where he now serves as director of the Open Science C-BIG Repository.

David Buckeridge

Professor, School of Population and Global Health, McGill University
Medical Director, MUHC Data Warehouse



David Buckeridge is a Professor of Epidemiology and Biostatistics at McGill University in Montreal where he holds the Canadian Institutes of Health Research (CIHR) Applied Public Health Chair in eHealth Interventions. He is also the Medical Director of the Data Warehouse at the McGill University Health Center and is a medical informatics consultant to the Quebec Institute for Excellence in Health and Social Services. As a clinician-scientist in public health, his research and practice focus on the informatics of public health surveillance and disease control. At McGill, Dr Buckeridge directs the Surveillance Lab, which is an interdisciplinary group of over twenty students and staff with a mission to develop, implement, and evaluate novel computational methods for public health surveillance. He has a M.D. from Queen's University, a M.Sc. in Epidemiology from the University of Toronto, and a Ph.D. in Biomedical informatics from Stanford University.

Bartha Knoppers

Director, Centre of Genomics and Policy
McGill University



Bartha Maria Knoppers, PhD (Comparative Medical Law), is a Full Professor, Canada Research Chair in Law and Medicine and Director of the Centre of Genomics and Policy of the Faculty of Medicine at McGill University. She is Chair of the Ethics and Governance Committee of the International Cancer Genome Consortium (2009-2017), as well as the Ethics Advisory Panel of WADA (2015-). She is Co-Chair of the Regulatory and Ethics Workstream of the Global Alliance for Genomics and Health (2013-). In 2015-2016, she was a member of the Drafting Group for the Recommendation of the OECD Council on Health Data Governance and gave The Galton Lecture in November 2017. She holds four Doctorates Honoris Causa and is a Fellow of the American Association for the Advancement of Science (AAAS), the Hastings Center (bioethics), the Canadian Academy Health Sciences (CAHS), and, the Royal Society of Canada. She is also an Officer of the Order of Canada and of Quebec, and was awarded the 2019 Henry G. Friesen International Prize in Health Research.

Masha Cemma

Policy Advisor
Office of the Chief Science Advisor of Canada



Dr. Masha Cemma is a policy advisor to the Chief Science Advisor of Canada, Dr. Mona Nemer. She is the lead on Open Science and supports the work on the Roadmap for Open Science for the Government of Canada. Prior to working with the Chief Science Advisor, Dr. Cemma has completed a Mitacs Canadian Science Policy Fellowship at the Canadian Food Inspection Agency (CFIA). At the CFIA, she served as the secretariat for an international high containment laboratory network that fostered international cooperation, knowledge translation and exchange with the goal of strengthening preparedness to high-consequence pathogens. While at the CFIA, Dr. Cemma's work was recognized with the President's award in Innovation and Best Practices.

Dr. Cemma earned her Ph.D. in 2016 from the Department of Molecular Genetics at the University of Toronto. During her Ph.D., she examined the role of autophagy machinery in host defence. Dr. Cemma's foray into policy work was through a global health fellowship at the World Health Organization in 2014. She was also selected as an Emerging Leader in Biosecurity by the John Hopkins Centre for Health Security and an Action Canada fellow by the Public Policy Forum.

Alain Schuhl

Directeur général délégué à la science (Chief Research Officer)
French National Centre for Scientific Research (CNRS)



Alain Schuhl is currently the Deputy CEO for research of the CNRS. He coordinates the activities of the ten CNRS Institutes, promotes interdisciplinarity, and organizes partnerships on the regional, national, European, and international levels.

After physics studies at the Ecole Normale Supérieure in Paris, he obtained its PhD in condensed matter physics in 1980. Specialist of the magnetic properties of matter, he devotes then the major part of his scientific researches to the fundamental and applicative aspect of spintronics, first as researcher during 12 years at Thales, then as a professor at Nancy university and finally at Grenoble university. Also involved in science management, Alain Schuhl was director of two research laboratories in Grenoble, SPINTEC from 2007 to 2010, and Institut Néel during four years and director of the Physics Institute of the CNRS from February 2015 to April 2018.

Suzana Petanceska

Program Director, Systems Biology & Systems Pharmacology
Senior Advisor, Strategic Development & Partnerships, Division of
Neuroscience, National Institute on Aging/National Institutes of Health



Dr. Petanceska is a Senior Advisor for strategic development and partnerships and a Program Director for systems biology and systems pharmacology in the Division of Neuroscience at the National Institute on Aging (NIA). During her tenure at NIA, she developed a number of research portfolios and innovative programs in basic and translational research for AD. Since 2012, her program development efforts have focused on developing systems biology and systems pharmacology capabilities for AD research and drug development within an open-science framework. She is the program director for the Accelerating Medicines Partnership for Alzheimer's Disease (AMP-AD) Target Discovery program and several AMP-AD affiliated, open-science consortia. Dr. Petanceska has a bachelor's degree in molecular biology and physiology from the University of Belgrade, and a Ph.D. in Pharmacology from New York University.

Dario Taraborelli

Science Program Officer, Open Science
Chan Zuckerberg Initiative (CZI)



Dario is a social computing researcher and an open knowledge advocate. As the Science Program Officer for Open Science at CZI, his goal is to build programs and technology to support open, reproducible, and accessible research. Prior to joining CZI, he served as the Director, Head of Research at the Wikimedia Foundation, the non-profit that operates Wikipedia and its sister projects. As a co-author of the Altmetrics Manifesto, a co-founder of the Initiative for Open Citations, and a long-standing open access advocate, he has been designing systems and programs to accelerate the discoverability and reuse of scientific knowledge by scholars, policy makers, and the general public alike.

Mona Nemer

Chief Science Advisor
Government of Canada



Dr. Mona Nemer is the Chief Science Advisor to Canada's Prime Minister, Minister of Science and Cabinet. Her mandate is to provide advice on issues related to science and government policies that support it.

Before becoming the Chief Science Advisor, Dr. Nemer was Professor and Vice-President of Research at the University of Ottawa and Director of the school's Molecular Genetics and Cardiac Regeneration Laboratory. She holds a PhD in Chemistry from McGill University and did post-doctoral training in molecular biology at the Institut de Recherche Clinique de Montréal and Columbia University.

Dr. Nemer is a member of the Order of Canada, a fellow of the Academy of Sciences of the Royal Society of Canada, a knight of the Ordre national du Québec and a knight of the French Republic's Ordre national du Mérite.

John Wilbanks

Chief Commons Officer
Sage Bionetworks



John Wilbanks is the Chief Commons Officer at Sage Bionetworks. Previously, Wilbanks worked as a legislative aide to Congressman Fortney “Pete” Stark, served as the first assistant director at Harvard’s Berkman Center for Internet & Society, founded and led to acquisition the bioinformatics company Incellico, Inc., and was executive director of the Science Commons project at Creative Commons. In February 2013, in response to a We the People petition that was spearheaded by Wilbanks and signed by 65,000 people, the U.S. government announced a plan to open up taxpayer-funded research data and make it available for free. Wilbanks holds a B.A. in philosophy from Tulane University and also studied modern letters at the Sorbonne.

Viviane Poupon

Chief Operating Officer, Tanenbaum Open Science Institute
Director Scientific Development and Partnerships, The Neuro



Dr. Poupon is Director, Scientific Development and Partnerships at The Neuro. Responsible for the development of major new research initiatives and alliances for the Institute, including international initiative, she spearheaded the transformation of the Neuro into an Open Science Institute. She is also Chief Operating Officer of the Tanenbaum Open Science Institute.

In her prior position, Dr. Poupon Viviane was the Associate Director for Scientific Affairs at the Fonds de recherche en santé du Québec (FRSQ) where she managed the FRSQ’s scientific programs and liaised with provincial, federal, and international scientific funding organizations. During the reorganization of the funding agency she was named Interim Scientific Director and member of the Board and advised on governance issues, organizational restructuring as well as change management.

Dr. Poupon, a graduate from École normale supérieure-Paris, obtained her PhD in Immunology at Université Pierre et Marie Curie in Paris.

Richard Gold

Professor and founding Director of the Centre for Intellectual Property Policy
McGill University



A James McGill Professor, Richard Gold was the founding Director of the Centre for Intellectual Property Policy. He teaches in the area of intellectual property, international intellectual property, comparative intellectual property, innovation policy and intellectual property management. His research generally focuses on the life sciences.

Professor Gold has provided advice to Health Canada, Industry Canada, the Canadian Biotechnology Advisory Committee, the Ontario Ministry of Health and Long-Term Care, the Organisation for Economic Cooperation and Development (where he was the lead author of the OECD Guidelines on the Licensing of Genetic Inventions and a report on Collaborative Mechanisms in Life Science Intellectual Property), the World Health Organization, the World Intellectual Property Organization and UNITAID.

Professor Gold was Associate Dean (Graduate Studies) at the Faculty of Law from 2015 to 2019.

Dylan Roskams-Edris

Open Science Alliance Officer, Tanenbaum Open Science Institute
The Neuro



Dylan has recently joined TOSI as their Open Science Alliance Officer. In this role, he acts as a bridge between The Neuro and various neuroscience institutes, funders, journals, and open science organizations both nationally and around the world. Through creating partnerships and a common understanding, Dylan and TOSI are helping create the united front needed to make Canada a leader in Open Neuroscience.

Dylan's background is in Neuroscience, Health Ethics, and a Law - specializing in Intellectual Property. His current projects involve studying how commercialization and Open Science can work together for the public good and creating the tools necessary to bring the forces of open science and the market together.

Dylan will be The Neuro's Twitter Ambassador for the Symposium, so don't be surprised to see him taking pictures and asking people for their Twitter handles.

Jean-Baptiste Poline

Associate Professor, Neurology and Neurosurgery
The Neuro, McGill University



Dr Jean-Baptiste (JB) Poline is an Associate Professor in the Department of Neurology and Neurosurgery at McGill; the co-Chair of the NeuroHub and Chair of the Technical Steering Committee for the Canadian Open Neuroscience Platform (CONP) at the Montreal Neurological Institute & Hospital (the NEURO); and a Primary Investigator at the Ludmer Centre for Neuroinformatics & Mental Health.

Among the early pioneers of functional magnetic resonance imaging (fMRI), today, Dr Poline is a leading researcher in the fields of fMRI, imaging genetics research, and the neuroinformatics technologies that make a big-data approach to neuroscience possible. He also co-developed the most widely-used fMRI software to date: Statistical Parametric Mapping (SPM).

Chris Gorgolewski

Senior Software Engineer
Google DataSearch Project



Chris Gorgolewski works at Google on Dataset Search - an online search engine for datasets. Before joining the company he lead the Stanford Center for Reproducibility that delivered the OpenNeuro.org data repository and MR processing tools such as FMRIprep and MRIQC. He is the founder of NeuroVault.org and the was first maintainer of the Brain Imaging Data Structure (BIDS) standard.

Jennifer Stine Elam

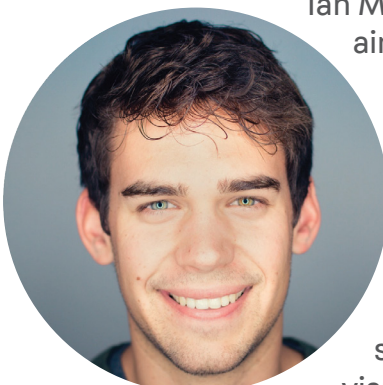
Director, Scientific Outreach and Education, Human Connectome Project,
Washington University in St. Louis School of Medicine



Jennifer Stine Elam is the Director of Scientific Outreach & Education for the Human Connectome Project (HCP). Her work is focused on creating resources and leading education efforts for users of HCP data, methods, and software, including organizing the annual HCP course and providing ongoing user support. She came to Washington University for her postdoctoral, after finishing her Ph.D. at University of Texas Health Science Center. She joined the HCP in 2011, switching fields from macromolecular crystallography/biochemistry to neuroimaging and data sharing.

Ian Mathews

Co-founder
Redivis



Ian Mathews is the co-founder of Redivis, a web platform that aims to increase the availability & utility of population level research data. He envisions a world where data are widely discoverable and interoperable, and believes that well-designed, researcher focused software will be critical to making this happen.

Before Redivis, Ian worked with global health researchers and data journalists as he taught himself software development and the tools of interactive data visualization. Ian holds BAs in Public Policy & Economics from Stanford University.

Isabella Chu

Associate Director, Data Core
Stanford Center for Population Health Sciences, Stanford School of Medicine



Isabella has been with the Stanford School of Medicine since 2001. She received her MPH in Public Health Nutrition from UC Berkeley in 2011 and joined The Stanford Center for Population Health Sciences (PHS) in 2016. In her current role, she is the Associate Director of the Data Core at PHS.

Ms Chu initiated the Stanford Research Registry (SRR) in 2011 which grew to over 4,000 members within two years and greatly facilitated the recruitment of both individuals with chronic disease as well as healthy controls for clinical trials and other research.

Rachel Harding

Huntington's Disease Society of America Fellow
Structural Genomics Consortium, University of Toronto



Dr Rachel Harding is an HDSA Berman Topper Fellow, currently working at the Structural Genomics Consortium, University of Toronto in the lab of Prof. Cheryl Arrowsmith. Dr Harding's research is focused on the huntington protein, which is mutated in patients with Huntington's disease. Using both structural biology and biophysical approaches, Dr Harding is investigating the role of the huntington protein in DNA damage repair pathways. Dr. Harding is an advocate for open science practices to accelerate research and reports her research through her open lab notebook, LabScribbles.

Thomas Durcan

Associate Director, Early Drug Discovery Unit
The Neuro



As an Assistant Professor at The Neuro and McGill University, Dr. Thomas Durcan's research focuses on applying patient-derived induced pluripotent stem cells (iPSCs) towards the development of phenotypic discovery assays and 3D mini-brain models for both neurodegenerative and neurodevelopmental disorders.

As Associate Director of the EDDU at The Neuro, Dr. Durcan oversees a team of over 35 research staff and students, committed to applying novel stem cell technology, combined with CRISPR genome editing, mini-brain models and new microfluidic technologies towards elucidating the underlying causes of these complex disorders. Combined with new approaches in the group towards building multiomics profiles on the patient-derived iPSC cells, the long-term strategy is to identify new personalized precision. Dr. Durcan publishes his open lab notebooks on openlabnotebooks.org.

Russell Poldrack

Director, Stanford Center for Reproducible Neuroscience
Albert Ray Lang Professor of Psychology, Stanford University



Russell A. Poldrack is the Albert Ray Lang Professor in the Department of Psychology and Professor (by courtesy) of Computer Science at Stanford University, and Director of the Stanford Center for Reproducible Neuroscience. His research uses neuroimaging to understand the brain systems underlying decision making and executive function. His lab is also engaged in the development of neuroinformatics tools to help improve the reproducibility and transparency of neuroscience, including the Openneuro.org and Neurovault.org data sharing projects and the Cognitive Atlas ontology.

Susan M. Fitzpatrick

President
James S. McDonnell Foundation



Susan M. Fitzpatrick is President of the James S. McDonnell Foundation, St. Louis, Missouri. The McDonnell Foundation is one of a limited number of international grant-makers supporting university-based research in biological, behavioral, and complex systems sciences through foundation-initiated programs. As President, Fitzpatrick serves as JSMF's Chief Executive Officer.

Fitzpatrick received her Ph.D. in Biochemistry and Neurology from Cornell University Medical College (1984) and pursued post-doctoral training with in vivo NMR spectroscopic studies of brain metabolism/function in the Department of Molecular Biochemistry and Biophysics at Yale University.

Fitzpatrick lectures and writes on issues concerning applications of neuroscience to clinical problems, the translation of cognitive science to educational settings, the role of private philanthropy in the support of scientific research, and on issues related to the public dissemination of and understanding of science. She serves on the boards of the Ontario Brain Institute, Research!America, and the Santa Fe Institute Science Board.

LIVE STREAM

Join our online live streams for the latest from the symposium
or watch directly via our Twitter account @TheNeuro_MNI:



Live stream from the [Jeanne Timmins Amphitheatre](#)
8:30 am - 6:00 pm

Live stream from the [Bell Room](#) will be available from our Twitter account only
10:50 - 11:35 am
2:40 - 3:25 pm

Live stream from the de [Grandpré Communications Centre](#)
10:50 - 11:35 am
2:40 - 3:25 pm

FOLLOW US



WIFI INSTRUCTIONS

Enjoy McGill's guest WiFi at The Neuro



Connect to: guest.mcgill.ca



Register for temporary username/password

OR

Sign in with social media



Detailed instructions at: <https://mcgill.ca/guest-wifi>



Trouble Connecting?

Go to room 354 or call 514-398-5358

DIRECTIONS

1 JEANNE TIMMINS AMPHITHEATRE

- Enter by the main entrance at 3801 University.
- Turn left, pass Elevator 1 and continue to the end of the hallway.
- Turn right, and pass Elevator 2.
- Continue down the corridor until the intersection at the Neurosurgery Offices.
- Turn left, through the passage, and then turn right to enter the doors of the Amphitheatre.

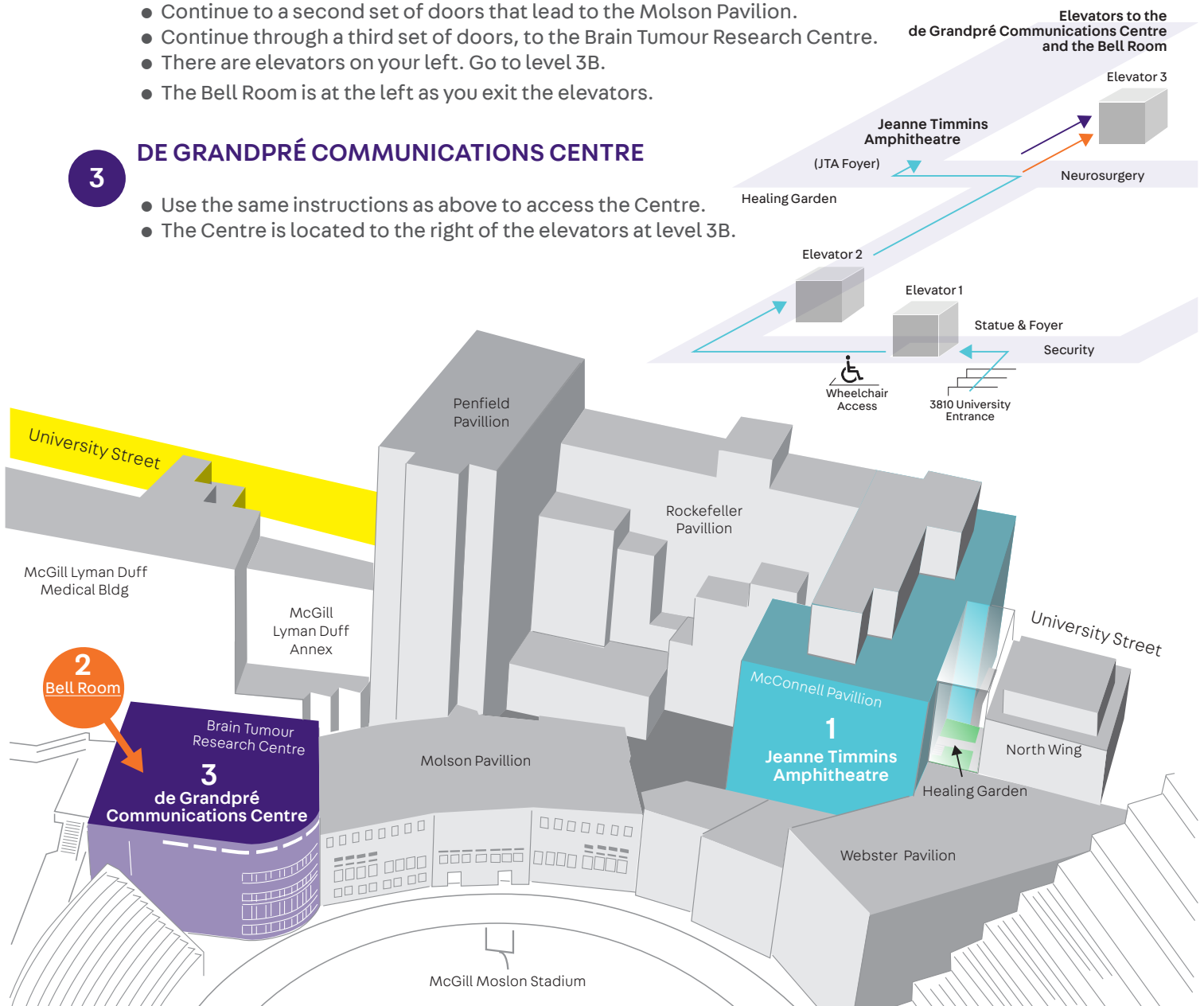


2 BELL ROOM

- From the Jeanne Timmins Amphitheatre, go to Elevator 3.
- Take elevator to floor 2B (the Brain Imaging Centre).
- Turn right, then right again past reception and through the doors.
- Continue to a second set of doors that lead to the Molson Pavilion.
- Continue through a third set of doors, to the Brain Tumour Research Centre.
- There are elevators on your left. Go to level 3B.
- The Bell Room is at the left as you exit the elevators.

3 DE GRANDPRÉ COMMUNICATIONS CENTRE

- Use the same instructions as above to access the Centre.
- The Centre is located to the right of the elevators at level 3B.



PARKING INFORMATION

THE NEURO, 3801 University Street, Montreal, Quebec H3A 2B4



NORTH STANDS

The North Stands parking lot is part of visitor's parking for The Neuro. This lot is located in the middle of the drive past the parking attendant off of University street.

The parking agent is located at the entrance to this drive near the Molson Stadium where one can pay a cash deposit for the maximum daily rate for a ticket to park. Credit card payment is not accepted. \$3.50 per 30 minutes to a maximum of \$20.00 for the day between 6AM and midnight, Monday to Friday and \$3.50 per 30 minutes up to a maximum of \$10 on Saturday and Sunday from 6am to midnight. Also \$3.50 per 30 minutes to a maximum of \$10 between 5pm and midnight Monday - Friday.

WINTER STADIUM

The Winter Stadium parking lot is part of visitor's parking for The Neuro. This lot is located at the end of the drive past the parking attendant off of University street.

The parking agent is located at the entrance to this drive near the Molson Stadium where one can pay a cash deposit for the maximum daily rate for a ticket to park. Credit card payment is not accepted. \$3.50 per 30 minutes to a maximum of \$20.00 for the day between 6AM and midnight, Monday to Friday and \$3.50 per 30 minutes up to a maximum of \$10 on Saturday and Sunday from 6am to midnight. Also \$3.50 per 30 minutes to a maximum of \$10 between 5pm and midnight Monday - Friday.



McCONNELL HALL

The McConnell Hall exterior parking area consists of parking spaces by the McGill upper residence McConnell Hall building. This lot can be accessed by driving to the upper residences area at the top of University street then by taking a right at the fork just after Douglas Hall.

There is a parking agent situated at the booth near the Molson Stadium where visitors can pay a cash deposit for the maximum daily rate for a ticket to park. Credit card payment is not accepted. \$3.50 per 30 minutes to a maximum of \$20.00 for the day between 6AM and midnight, Monday to Friday. Also \$3.50 per 30 minutes to a maximum of \$10 between 5pm and midnight Monday - Friday.



Parking attendant for The Neuro and Upper Residence parking which can be seen on the right.

GARDNER HALL

The Gardner Hall exterior parking area consists of parking spaces by the McGill upper residence Gardner Hall building. This lot can be accessed by driving through the upper residences area, going around Bishop Mountain Hall, until the very end.

There is a parking agent situated at the booth near the Molson Stadium where visitors can pay a cash deposit for the maximum daily rate for a ticket to park. Credit card payment is not accepted. \$3.50 per 30 minutes to a maximum of \$20.00 for the day between 6AM and midnight, Monday to Friday. Also \$3.50 per 30 minutes to a maximum of \$10 between 5pm and midnight Monday - Friday.

ROYAL VICTORIA HOSPITAL – LOT 1

This lot can be found off of Pine Avenue near University Street. The parking attendant is located at the entrance. This lot is located in close proximity to The Neuro. The cost is \$9 for 30 minutes up to a maximum of \$21. **It is run by Vinci Park.**



Parking attendant for The Neuro and Upper Residence parking which can be seen on the right.

ROYAL VICTORIA HOSPITAL – LOT 3

This parking location is located off of Pine Avenue behind the McTavish Reservoir. It is part of the Royal Victoria Hospital and the attendant can be found just inside the parking lot. To access this location, head west on Pine Avenue from University Street or a street before and turn into this location. The cost is \$9 for 30 minutes up to a maximum of \$21. **It is run by Vinci Park.**

The entrance to lot 3 which can be seen off to the right.



NEW RESIDENCE HALL

Located on Park Avenue, this parking option is only a short walk to The Neuro. The entrance is located inside of the drop-off area for New Residence Hall. It is run by Vinci Park. The cost is \$3.50 per 30 minutes with 12 hours being \$16 and 24 hours being \$19. The cost for overnight is \$6.

The entrance for the New Residence Hall parking lot emphasized by the parking sign to the right.



FRANK DAWSON ADAMS COURTYARD

The FDA Courtyard is a small outdoor parking lot behind the Adams Building (3450 University) which has permit holder and visitor parking. It can be accessed by turning left off of University Street in to the pass which is located between the Pulp and Paper Building and the Frank Dawson Adams Building.

There is a pay & display machine in this location which accepts coin or credit card payment (Visa, MasterCard or American Express) for parking. A receipt is issued which must be displayed on the dashboard of the vehicle. The cost is \$3.50 per 30 minutes to a maximum of \$20.00 for the day between 6AM and midnight, Monday to Friday and \$3.50 per 30 minutes up to a maximum of \$10 on Saturday and Sunday from 6am to midnight. Also \$3.50 per 30 minutes to a maximum of \$10 between 5pm and midnight Monday - Friday.

The entrance to the drive for the Frank Dawson Adams Courtyard parking lot. It can be seen to the left in between the two buildings.

