



2024 Neuro Retreat

The Past, Current and the Future

June 7-9, 2024

Manoir Saint-Sauveur

PROGRAM BOOKLET

Program

Friday, June 7

- 12:00 – 13:00** **Arrival / Registration and Lunch (Lobby & Dining Room)**
Matterhorn Room
- 13:00** **Welcome & Opening Remarks – Guy Rouleau, Director**
Retreat Goals – Justine Clery, Retreat Chair
- 13:15** **Spotlight on International Collaboration Launched by the Neuro**
Stefano Stifani, James McGill Professor
- 13:30** **Plenary 1: Integration of Research and Clinic – Single Cell Overview**
Jo Anne Stratton, Assistant Professor
- 14:10** **Spotlight on New Recruits at The Neuro**
Chair: Edward Fon, Scientific Director
- Discovery of Tumorigenic Mechanisms and Therapeutic Targets in Diffuse Gliomas**
Jérôme Fortin, Assistant Professor (Brain Tumour group)
- Understanding Multiple Sclerosis Lesion Pathology at a Single Cell Level**
Stéphanie Zandee (Single Cell unit)
- Spotlight on TOSI Open Science**
- 14:40** **Overview of the Tanenbaum Open Science Institute Initiatives to Support The Neuro Community**
Gabriel Pelletier, Research Data Manager, TOSI
Luisa Pimentel, Open Science Community Officer, TOSI
- 14:55** **Meta Science in Open Science**
JB Poline, Associate Professor
- 15:10** **Refreshment Pause**
- 15:30** **Plenary 2: Building Next Gen Brain Imaging Tools for Population Neuroscience and Global Health: An Open and More Inclusive Research/Clinic**
Udunna Anazodo, Assistant Professor
- 16:10** **Spotlight on Patients: A Nurses Perspective**
Chair: Heather Perkins, Nurse Clinician, Stroke Prevention Clinic
- 16:15 – 16:45** **Intentional Rounding**
Georgia Niarchos, Associate Director, Neurosciences Mission
Amanda Rodriguez, Nurse Manager, In-Patient Admissions
- 16:45 – 17:15** **Enhanced Recovery after Surgery for Malignant Brain Tumours**
Roberto Diaz, Neurosurgeon
Heather Perkins, Nurse Clinician, Stroke Prevention Clinic
- Panel Discussion**

- 17:30 - 18:30 **Free Time**
- 18:00 **Children's Early Dinner**
- 18:30 **Cocktail (Esplanade)**
- 18:30 **Dinner & Neuro Trivia Game (La Tablee)**

Saturday, June 8

- 7:00 - 9:00 **Breakfast (Dining room / St. Moritz)**
- 8:00 - 8:45 **Organized Run (departs at 7:45) and Yoga class**
- 9:00 - 11:30 **Childcare room (Vail A)**
- Everest A**
- 9:00 **90th Anniversary of The Neuro**
Damien Chalaud, Senior Director of Communications
- 9:10 **The McConnell Brain Imaging Centre Celebrates its 40th Anniversary**
Julien Doyon, Director, McConnell Brain Imaging Centre
- 9:20 **Plenary 2: Quantitative MRI in Humans, Mice and Marmosets**
Christine Tardif, Assistant Professor
- 9:50 **Symposium 1: Changing the Future with AI**
Introduction: Pouya Bashivan, Assistant Professor, McGill University
- 9:55 **Transforming Spine Specialist Wait Times: Transitioning from Paper Forms to an AI-Enabled Application**
Carlo Santaguida, Neurosurgeon
- 10:10 **Using AI to Support Treatment Decisions in MS**
Doug Arnold, Neurologist
- 10:25 **Refreshment Pause (Everest Hall)**
- 10:40 **Helmholtz International BigBrain Analytics & Learning Laboratory (HIBALL)**
Alan Evans, Neuroscientist
- 10:55 **AI: The Next Frontier in Surgical Education**
Rolando Del Maestro, Director, Neurosurgical Simulation and Artificial Intelligence and Learning Centre, McGill University
- 11:10 **Panel Discussion**
- 11:30 - 12:15 **Team Building Activity**
- 12:00 - 13:15 **Lunch (Dining room, terrasse Tablee & St-Moritz)**
- 13:00 - 17:30 **Free time & extra-curricular activities (hike, art class)**
- 16:15 - 17:00 **Writing Workshop by Monique Polak**
- 16:30 - 17:00 **Children's Team Building for Families**

Everest A

- 17:30 State of the Union Address**
Guy Rouleau, OC, OQ, MD, PhD, FRCPC, FRSC
Director, The Neuro (Montreal Neurological Institute-Hospital)
- 18:15 Children's Early Dinner (Vail A)**
- 18:30 Cocktail (Exterior Esplanade)**
- 19:30 Dinner & Silent Art Auction**
- Post-dinner activities – Dance, card games, children's corner**

Sunday, June 9

- 7:00 - 9:00 Breakfast (Dining room / St. Moritz)**
- 8:00 - 8:45 Yoga**
- 9:00 - 11:30 Childcare room (Vail A)**
- 9:00 Symposium 2: Cognitive Neuroscience Unit**
Introduction & Chair: Nathan Spreng, Director, The Laboratory of Brain & Cognition; Head, Cognitive Neuroscience Unit at The Neuro
- 9:05 The Cognitive Neuroscience Unit at The Neuro - Nathan Spreng**
- 9:20 Talk**
Madeleine Sharp, Neurologist, Assistant Professor
- 9:35 CONNECT Initiative (HBHL)**
Maiya Geddes, Clinician Scientist, Assistant Professor
- 9:50 Inducing Neural Plasticity in Auditory Circuits Via Brain Stimulation, Training, and Sensory Input**
Robert Zatorre
- 10:05 Panel Discussion**
- 10:25 Refreshment Pause**
- Trainee Presentations**
- 10:35 Dorsomedial Frontal Cortex Damage Impairs Error-Based, But Not Reinforcement-Based Motor Learning in Humans**
Dimitrios Palidis (Lesley Fellows Lab)
- 10:45 A Comparative Definition of the Ventral Frontal-Temporal-Occipital White Matter Pathways in the Monkey and Human Brain**
Kep Kee Loh (Michael Petrides Lab)
- 10:55 Closing Remarks – Nathan Spreng**
- 11:00 Toward Tomorrow: Round Table Session**
(AI, Clinical, Open Science, Best Practice, Philanthropy, Communications)
- 12:00 - 12:15 Concluding Remarks**
- 12:15 Free time & lunch (Terrasse Bar/Dining Room)**