

# NEURO WORKSHOP

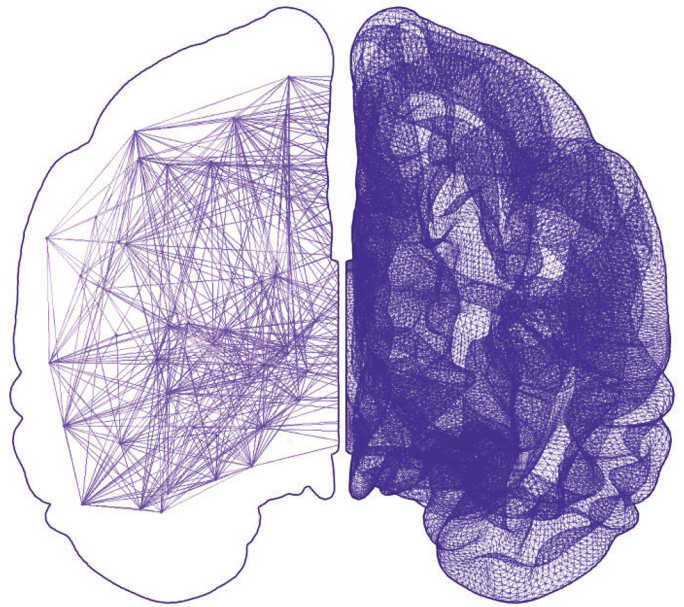
APRIL 30, 2019

## AUTISM NEUROIMAGING: ADVANCED TOPICS AND NITTY-GRITTIES

### Educational Workshop: Lectures and Keynotes

Jeanne Timmins Amphithéâtre, The Neuro

- 8:30 **Registration + Breakfast**
- 8:45 - 9:00 **Welcome Boris Bernhardt** (The Neuro)
- 9:00 - 10:00 **SCIENTIFIC TALKS**  
Chair: **Casey Paquola** (The Neuro)  
*Biological insights*
- Richard Bethlehem** (University of Cambridge, UK)  
*Typical and atypical developmental imaging genetics: combining data*
- Sebastien Jacquemont** (CHU Sainte-Justine)  
*Omnigenic models in neurodevelopmental and psychiatric disorders*
- John Lewis** (The Neuro)  
*Mining Cascades*
- Seok-Jun Hong** (Child Mind Institute, New York City, USA)  
*Atypical Functional Connectome Hierarchy in Autism*
- 10:00 - 10:30 **Keynote Christine Ecker** (Goethe University, Frankfurt, Germany)  
*Structural neuroimaging within the European autism interventions program - A multicentre study for developing new medications (EU-AIMS)*
- 10:30 - 10:45 **Coffee Break**
- 10:45 - 11:15 **Keynote Jason Lerch** (The Hospital for Sick Children, Toronto)  
*Structural MRI for monitoring treatment response in neurodevelopmental disorders*
- 11:15 - 11:30 **POSTER BLITZ** 3 best trainee abstracts
- 11:30 - 12:00 **Keynote Armin Raznahan** (NIH/NIMH, Bethesda, USA)  
*Genetics-first approaches to parsing the biology of neurodevelopmental disorders*
- 12:00 - 1:00 **LUNCH + POSTER SESSION**
- 1:00 - 1:30 **Keynote Damien Fair** (Oregon Health & Science University, Portland, USA)  
*New opportunities and challenges to examine typical and atypical brain development: Examples from the ABCD study.*
- 1:30 - 2:30 **SCIENTIFIC TALKS**  
Chair: **Richard Bethlehem** (University of Cambridge, UK)  
*Neurocognitive insights*
- Laurent Mottron** (Université de Montreal)  
*Autism research: Chronicle of a Death Foretold*
- Erin Dickie** (Centre for Addiction and Mental Health, Toronto)  
*Addressing idiosyncratic network organization in ASD using individualized brain mapping*
- Isabelle Soulières** (Université du Québec à Montréal)  
*Fluid reasoning in autism: help from neuroimaging*
- Megha Sharda** (Université de Montreal)  
*Music and brain connectivity in children with autism - Results from a randomized controlled trial*
- 2:30 - 3:00 **Keynote and closing remarks**  
**Adriana Di Martino** (Child Mind Institute, New York City, USA)  
*ABIDE - lessons learned*



### Hands-on Educational Session & Social Event

The Notman House, 51 Sherbrooke Street West

- 3:30 - 3:50 **Leigh MacIntyre** (The Neuro)  
*Coding and Neurosciening: the neuroinformatics side of large project management*
- 3:50 - 4:30 **Steven Giavasis & Seok-Jun Hong** (Child Mind Institute, New York City, USA)  
*Functional MRI: from preprocessing to functional connectivity and large-scale models*
- 4:45 - 5:30 **Sofie Valk** (Forschungszentrum, Jülich, Germany) & **Casey Paquola** (The Neuro)  
*Surface based structural MRI analysis*
- 5:30 - 6:00 **Michael Milham** (Child Mind Institute, New York City, USA)  
*How open science can tip the balance for autism and beyond*
- 6:00 **Cocktail + Open Brain Hack**
- 8:30 **End**

### PARTNERS



Institut et hôpital neurologiques de Montréal  
Montreal Neurological Institute and Hospital

