

- 8h00 Ouverture du Bureau d'Inscription / Registration Desk Opens
Entrée Salle de Bal / Ballroom Lobby
- 8h00-9h00 Installation des Affiches / Poster Set-up
Café & Croissants avec les Exposants / Coffee & Croissants with Exhibitors
Salle de Bal / Ballroom
- 9h00-9h10 Mots d'Ouverture / Opening Words – Martin Schmeing, *McGill University*

Salle de Bal / Ballroom A Séance 1 / Session 1

Sous la Présidence de / Session Chair: Natalie Zeytuni, *McGill University*

- 9h10-10h00 Catherine Drennan, *Howard Hughes Medical Institute & Departments of Chemistry & Biology, Massachusetts Institute of Technology, Cambridge, U.S.A.*
Revealing the secrets of metalloenzymes one snapshot at a time
- 10h00-10h30 Malik Chaker-Margot, *Université de Montréal, Canada*
Regulation of cytoskeletal remodeling by the protein Tiam1
- 10h30-10h45 Angelos Pistofidis, *McGill University, Prix Annuel Excellence du FRQ-S*
Structural and biochemical studies of the mechanism of condensation in nonribosomal peptide synthetases (NRPSs)
- 10h45-11h03 Natalia de Val – *ThermoFisher Scientific*
How cryo-EM is revolutionizing structural biology



11h03-11h25 Pause Santé avec les Exposants & Session d’Affiche / Health Break with Exhibitors & Poster Session

Salle de Bal / Ballroom A Séance 2 / Session 2

Sous la Présidence de / Session Chair: Mike Strauss, *McGill University*

- 11h25-12h15 Christian Siebold, *University of Oxford, Oxford, UK (by Zoom)*
Molecular mechanisms of hedgehog morphogen maturation and receptor signalling
- 12h15-12h27 Cyril Castel, *NanoTemper Technologies*
Enabling affinity measurements in the optimal condition



12h27-13h30 Diner avec les Exposants & Session d’Affiche / Lunch with Exhibitors & Poster Session

Salle de Bal / Ballroom A Séance 3 / Session 3

Sous la Présidence de / Session Chair: Rodrigo Reyes, *McGill University*

- 13h30-14h20 Suliana Manley, *EPFL, Lausanne, Switzerland*
Mitochondrial structure and dynamics: mysteries and insights
- 14h20-14h50 Lisa Münter, *McGill University, Canada*
Insights into the glucose metabolism linked to Alzheimer’s disease
- 14h50-15h00 Transition vers les sessions parallèles / Transition to split sessions

Sous la Présidence de / Session Chair: Garvit Bhatt, *McGill University*

- 15h00-15h12 **Cecilia Rocchi, *University of Oxford***
Molecular insights into TAR-RNA recognition by HIV-1 Integrase: a big deal for a small tail.
- 15h12-15h24 **Thibault Legal, *McGill University***
Structure of the ciliary tip central pair reveals unique microtubule-binding proteins
- 15h24-15h36 **Gabriel Tiago Galdino, *Université de Montréal***
Combining normal mode analysis and molecular docking to predict ligand binding efficacy to G-protein coupled receptors
- 15h36-16h48 **Joseph Deering, *McGill University***
Multiscale 3D imaging of the gekkotan eggshell
- 15h48-16h00 **Sahil Nagpal, *McGill University***
Optogenetic control of kinesins and dynein reveals their specific roles in vesicular transport

Sous la Présidence de / Session Chair: Ali Behvarmanesh, *McGill University*

- 15h00-15h12 **Heidi Dewling, *McGill University***
Single-molecule assay reveals the impact of composition, RNA substrate, and inhibitors on SARS-CoV-2 polymerase complex interactions with RNA
- 15h12-15h24 **Anshu Saran, *McGill University***
Regulating the virulence of the type 9 secretion system
- 15h24-15h36 **Gabriela Bernal Astrain, *Université de Montréal***
The RAS small GTPase MRAS is a pseudoenzyme
- 15h36-16h48 **Luba Mahbub, *McGill University***
Structural insights into CNNM-mediated divalent cation transport by the small GTPase ARL15
- 15h48-16h00 **Kimberly Vish, *Yale University***
Diverse p120RasGAP interactions with doubly phosphorylated partners EphB4, p190RhoGAP and Dok1

- 16h00-17h45 **Salon des Affiches & Salon des Exposants / Poster Pub & Exhibition Area Open**
- 17h45-18h00 **Présentation des Prix & Remerciements / Presentation of Awards & Closing Words**

