

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

- 9h10-10h00 Peter Fratzl, *Max Planck Institute of colloids and interfaces, Germany*
 Multiscale imaging of bone growth, mineralization and regeneration
- 10h00-10h30 Anne-Lise Routier-Kierzkowska, *Université de Montréal, Canada*
 The apical hook paradox: how a fast-growing organ can maintain a curved shape

10h30-11h00 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: Martin Schmeing, *McGill University*

- 11h00-11h50 Alexandra Porter, *Imperial College London, United Kingdom*
 Insights into the bone and cartilage mineralization processes achieved by analytical electron microscopy
- 11h50-12h05 Adwaith Bini Bose Uday, *McGill University, Canada*, Prix Annuel d'Excellence du FRQ-S #1
 Structural insights into the mechanism of action of novel allosteric inhibitors against the human mitochondrial ClpP protease
- 12h05-12h20 Anirudh Mantri, *McGill University, Canada*, Prix Annuel Excellence du FRQ-S#2
 Structural and functional study of hybrid megaenzymes, molecular machines that make therapeutics and bioactive compounds

12h20-13h20 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: Shuaiqi Phil Guo, *McGill University*

- 13h20-14h10 Grant Jensen, *BYU College of Computational, Mathematical, and Physical Sciences, USA*
 Electron cryotomography of cells: progress and potential
- 14h10-14h40 Caroline Wagner, *McGill University, Canada*
 Mucosal biophysics in disease transmission

14h40-14h45 Transition vers les sessions parallèles / Transition to split sessions

Sous la Présidence de / Session Chair: Seyed Vasegh, *McGill University*

- 14h45-14h57 Ali Behvarmanesh, *McGill University*
The divergent LARP1 PAM2 motif adopts a non-canonical confirmation for MLLE binding
- 14h57-15h09 Regina Strakhova, *Université de Montréal*
Atomic-level observation of RAS GTPase activity in live cells using NMR spectroscopy
- 15h09-15h21 Taylor Forrester, *McGill University*
Allosteric inhibition of *M. tuberculosis* ClpP1P2 via a distal handle-domain regulatory site
- 15h21-15h33 Sabrina Grégoire, *University of Ottawa*
Blocking Ash2L/Dpy-30 interaction as a therapeutic approach to treat acute myeloid leukemia
- 15h33-15h45 Javier Rodriguez Gonzalez, *McGill University*
The structure of Rad1-Rad10-Saw1 bound to DNA reveals its substrate recognition and cleavage mechanisms

Sous la Présidence de / Session Chair: Ryu Williston, *McGill University*

- 14h45-14h57 Mohamed Mourad Kenfaoui, *Université de Montréal*
Functional role of OGDH in metabolic regulation : a structural and molecular approach
- 14h57-15h09 Tara Shomali, *McGill University*
Stabilizing PINK1, a kinase implicated in mitochondrial quality control: from evolution to expression
- 15h09-15h21 Andrea Barajas, *Tecnológico de Monterrey*
Biomarkers to delimit the cell nucleolus during chemotherapy and stress
- 15h21-15h33 Parastoo Asadi, *McGill University*
Three-dimensional visualization and quantitative analysis by submicron micro-computed tomography of dentoalveolar defects in the Hyp mouse model of X-linked hypophosphatemia
- 15h33-15h45 Alex Paré, *Institut national de la recherche scientifique*
SPASE: an intuitive computational platform for protein design and optimization

Sous la Présidence de / Session Chair: Thibault Legal, *McGill University*

- 14h45-14h57 Marguerite Cusson, *Université de Montréal*
Effet structural des inhibiteurs allostériques de PARP1 de type III
- 14h57-15h09 Rayan Fakih, *McGill University*
Identification de composés DEL pour l'activation de parkine
- 15h09-15h21 Hyerin Kim, *Université Laval*
Sugar, Sugar: N-glycan dynamics of viral fusion proteins
- 15h21-15h33 Alexandre Demers-Potvin, *McGill University*
A 3D virtual museum where structural biology meets human history

15h45-17h45 Salon des Affiches & Salon des Exposants / Poster Pub & Exhibition Area Open

17h45-18h00 Présentation des Prix & Remerciements / Presentation of Awards & Closing Words

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