2ème Colloque Annuel du CRBS – 8-9 novembre 2020
2nd Annual CRBS Symposium - November 8-9, 2020

Sunday, November 8, 2020

Séance 1 / Session 1 – on Zoom

18h45 Mots d'Ouverture / Opening Words – Martin Schmeing, *McGill University and CRBS Director*

Sous la Présidence de / Session Chair: Martin Schmeing, *McGill University*

19h00-20h00 Eva Nogales, *Howard Hughes Medical Institute, University of California at Berkeley*
Structure-function studies of the gene-silencing Polycomb Repressive Complex 2

20h00-20h30 Natalie Zeytuni, *McGill University*
Structural insights into the cytotoxic peptides ATP-driven exporter essential to pathogenicity of drug resistant *Staphylococcal aureus* by hybrid approaches.

20h30-21h00 Maria Musgaard, *University of Ottawa*
Unravelling the recovery mechanism from the acid-sensing ion channel desensitized state by combining simulations and electrophysiology

Séance 2 / Session 2 – on Fourwaves

21h00-23h00 Poster Mixer (Get to know the Fourwaves platform, no poster judging)

Monday, November 9, 2020

Séance 3 / Session 3 – on Zoom

Sous la Présidence de / Session Chair: Jean-François Trempe, *McGill University*

9h00-10h00 Chris Lima, *Memorial Sloan Kettering Cancer Center*
Architecture and activities of a multi-subunit E3 ligase complex

10h00-10h15 Camille Fortinez, *McGill University*
Structural and functional investigations of a dimeric NRPS system involved in the production of bacillamide, a thiazole-containing natural product

10h15-10h30: Nuwani Weerasinghe, *McGill University*
Exploring the conformational landscape of a lanthipeptide synthetase using native mass spectrometry

10h30-10h45: Dushyant Jahagirdar, *McGill University* – Prix Annuel Excellence du FRQ-S 2019-2020
Alternative conformations and motions adopted by 30S ribosomal subunits visualized by cryo-electron microscopy

Pause / Break

Séance 4 / Session 4 – on Fourwaves

11h00-12h30 Poster session

Séance 5 / Session 5 – on Zoom

12h30-12h45 Gabriella Kiss, *Refeyn Inc*
Mass Photometry – a new tool to study biomolecules

Diner / Lunch

Séance 6 / Session 6 – on Zoom

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

13h00-14h00 John Rubinstein, *Hospital for Sick Children Research Institute, University of Toronto*
CryoEM of macromolecular machines at energized membranes

14h00-14h15 Thomas McAlear, *McGill University*
The mitotic spindle protein CKAP2 potently increases microtubule nucleation and growth

14h15-14h30 Jordan Forbes, *Queen's University*
Deletion and mutation analyses of an ice nucleation protein reveal its underlying similarity to antifreeze proteins

14h30-14h45 Yao Shen, *McGill University*
The heptameric assembly of TnsC bound to DNA regulates Tn7 transposition

Pause / Break

Séance 7 / Session7 – on Fourwaves

15h00-16h30 Poster session

Séance 8 / Session 8 – on Zoom

16h30-16h45 Présentation des Prix & Remerciements / Présentation of Awards & Closing Words
Alba Guarné, *McGill University*

Meet the exhibitors on Fourwaves on Monday, November 9, 2020:

11h00-12h30 and 15h00-16h30