

20 April 2023, Thursday

- 11:00 – 13:00 Inscription / Registration
 13:00 – 13:05 Mot de Bienvenue / Welcome address
 Gerardo Ferbeyre, Sonia del Rincon

SESSION – I : CYTOKINES IN INFECTIONS & IMMUNITYPrésident / Chair: [Jorg Fritz \(McGill University\)](#)Co-présidents/Co-Chairs: [Linnette Maria Leon Chirino & Reda Fazazi](#)**Trainee presentations (8+2 min)**

- 13:05 – 13:15 Nathalia Oliveira (McGill University)
Mice with a Parkinson's disease-associated mutation in Lrrk2 have altered early response to intestinal infection
- 13:15 – 13:25 Bryan Marr (University of Ottawa)
Characterizing The Immune Cell Transcriptomic Response To Low-Dose Ionizing Radiation.
- 13:25 – 13:35 Jean-Pierre Bikorimana (Université de Montréal)
The Clt protocol: a blueprint to potentiate the immunogenicity of immunoproteasome-reprogrammed mesenchymal stromal cells
- 13:35 – 13:45 Sai Saktee Krisna (McGill University)
The MNK1/2-EIF4E axis plays an important role in group 2 innate lymphoid cells in the context of allergic lung inflammation

- 14:00 – 14:30 Conférencier invité / Invited speaker
 (25+5 min) **Dr. Arthur Mortha**, University of Toronto, Toronto, ON Canada
 Introduction: [Jorg Fritz](#)
The role of GM-CSF in maintaining intestinal homeostasis

14:30 – 15:00 Pause-café / Coffee break - Session d'affiches / Poster session**SESSION – II : CYTOKINES IN CANCER**Président / Chair: [Sonia del Rincon \(Lady Davis Institute\)](#)Co-présidents/Co-Chairs: [Veronique Laplante & Fjolla Rexhepi](#)**Trainee presentations (8+2 min)**

- 15:00 – 15:10 Ryma Haroun (Université de Sherbrooke)
Blockade of TLR4 signaling using TAK242 sensitizes NSCLC response to radiotherapy
- 15:10 – 15:20 Shelby Kaczmarek (University of Ottawa)
Investigating anti-BCMA-CARS with NK-specific signaling domains to optimize tumour cytotoxicity against multiple myeloma.
- 15:20 – 15:30 Laiyen Garcia Delgado (Université de Sherbrooke)
Modulation of the signaling: when MET does not meet sorting nexins 1 and 2.
- 15:30 – 15:40 Mengqi Li (McGill University)
Exploring novel roles of MNK1/2-eIF4E axis in melanoma metastasis in the context of chronic inflammation

16:00 – 16:30 Conférencier invité / Invited speaker
(25+5 min) **Dr. April Rose**, Lady Davis Institute, McGill University, Montréal, QC Canada
 Introduction: Sonia del Rincon
Characterizing the role of mutant NRAS in sculpting the tumor immune microenvironment in melanoma.

Speed talks

16:30 – 17:00 Présentations rapides/ Speed talks - 2 minutes/ presentation with 2 slides.
 Période de questions/ Question period : during the poster session/ pendant la session d'affiches

17:00 - 19:00 **Session d'affiches / Poster session**
17:15 - 18:45 Évaluation des d'affiches / Evaluation of posters
 Commanditaires/ Sponsors

19:00 - 21:00 **Souper / Dinner**
21:00 - 23:00 Soirée de Réseautage / Networking evening

21 April 2023, Friday

07:00 - 08:45 **Petit déjeuner / Breakfast**
08:30 – 08:50 Inscription / Registration

SESSION – III: CYTOKINES IN OBESITY & AGE-RELATED DISEASES

Président / Chair: Gerardo Ferbeyre (University of Montreal, CRCHUM)

Co-présidents/Co-Chairs: Sara Ali Akbari & Mengqi Li

09:00 – 09:40 **Conférencier d'honneur/ Keynote speaker (30+10 min)**
(30+10 min) **Ashani T. Weeraratna Ph.D.**
 Johns Hopkins University, USA
 Introduction : Gerardo Ferbeyre
Age against the machine- how aging promotes tumor progression

Trainee presentations (8+2 min)

09:40 – 09:50 Jordan Guillon (CRCHUM)
Characterization of escape mechanisms from Folfirinox induced senescence of pancreatic tumour cells

09:50 – 10:00 Akouavi Julite Quenum (Université de Sherbrooke)
Molecular mechanisms of cytokine-mediated increase in antigen responsiveness in CD8+ T lymphocytes

10:00– 10:10 Fjolla Rexhepi (Université de Sherbrooke)
Interleukin-15 signaling in tumor immunosurveillance

10:10– 10:20 Amira Igouzoul (Université de Sherbrooke)
Targeting proline metabolism to overcome treatment resistance in esophageal squamous cell carcinoma (ESCC)

10:30 – 11:00 **Pause-café / Coffee break - Session d'affiches / Poster session**
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11:00 – 11:30 **Conférencier invité / Invited speaker**
(25+5 min) **Thomas Kufer, PhD.** *University of Hohenheim, Stuttgart, Germany*
Introduction : Subburaj Ilangumaran
Novel functional aspects of non-inflammasome NLRs

SPECIAL SESSION : GROUP DISCUSSIONS ON RECENT TRENDS

Présidents / Chairs: *Gerardo Ferbeyre (CRCHUM, University of Montreal)*
Sonia del Rincon (Lady Davis Institute, McGill University)

11:30 – 12:00 **Group discussions on recent trends – 3 groups**
Attendees will be divided in 3 groups: 1) Cancer, 2) Aging, Obesity and Metabolism and 3) Infection and inflammatory Diseases. Each group will identify outstanding questions for further research.

12:00 – 12:20 **Presentation of Group discussions** (5 min each + 5 min wrap-up)

12:20 - 14:00 **Diner / Lunch**
Session d'affiches / Poster session
Commanditaires / Sponsors

SESSION – IV : CYTOKINES AND INFLAMMATION

Président / Chair: *Caroline Saucier (Université de Sherbrooke)*
Co-présidents/Co-Chairs: *Jean-Pierre Bikorimana & Akouai Julite Irmin Quenum*

14:00 – 14:30 **Conférencier invité / Invited speaker**
(25+5 min) **Claudia Kleinman, PhD.** *McGill University*
Introduction : Caroline Saucier
Context matters: Single histone H3 substitution effects on cancer, development, and neuroinflammation

Trainee presentations (8+2 min)

14:30 – 14:40 Muhammad Umair (Université Laval)
Sex chromosomes and sex hormones play opposing roles in regulating the severity of Th17 cell-mediated disease in a model of chronic CNS autoimmunity

14:40 – 14:50 Sara Ali Akbari (Université de Sherbrooke)
Role of Interleukin-15 in the progression of liver fibrosis.

14:50 – 15:00 Véronique Laplante (Université de Montréal)
A new intracellular activity of the cytokine CLCF1

15:00 – 15:10 Reda Fazazi (Université Laval)
Myelin-reactive b cells exacerbate the severity of CD4+ T cell-driven CNS autoimmunity in an IL-23-dependant manner

15:10– 15:20 Benoit Marchand (Université de Sherbrooke)
Serum proteomic analysis by DIA mass spectrometry a step towards personalized medicine in rheumatoid arthritis.

15:30 – 15:45 **Distribution des prix / Prize distribution**
Jorg Fritz

15:45 – 16:00 **Mot de clôture / Concluding remarks**
Alfredo Menendez