

Workshops / Ateliers

Saturday, June 2 / Samedi, 2 juin

Sponsored by / Parrainé par:
Miltenyi Biotec, StemCell Technologies, Inc.

Concurrent Sessions:

Workshop 1 / Atelier 1: **Leukocyte Development, Activation and Signalling**

(University Community Centre – Room 56)

Dr. Sung Kim and Dr. Claudia Duerr

(Speakers in order of presentation - 10 min. presentation, 5 min. discussions)

- 14:30 IFN-LAMBDA RECEPTOR EXPRESSION AND DOWNSTREAM SIGNALING IS CELL TYPE SPECIFIC IN PERIPHERAL BLOOD IMMUNE CELLS, Presenting Author: **Deanna Santer**, University of Alberta (Abstract #55)
- 14:45 REAL-TIME IN VIVO IMAGING OF TISSUE-RESIDENT EOSINOPHILS UNDER HOMEOSTATIC AND INFLAMMATORY CONDITIONS, Presenting Author: **Kamala Patel**, University of Calgary (Abstract #32)
- 15:00 IL-18 UPREGULATES NUTRIENT TRANSPORTERS AND FACILITATES AMINO ACID-INDUCED MTORC1 ACTIVATION IN NATURAL KILLER CELLS, Presenting Author: **Saeedah Almutairi**, University of Ottawa (Abstract #116)
- 15:15 NAVIGATING THE REV7 INTERACTOME IN B CELL DEVELOPMENT AND DIFFERENTIATION, Presenting Author: **John Heath**, McGill University (Abstract #26)
- 15:30 INVESTIGATING NAÏVE CD4 T CELL HETEROGENEITY ARISING FROM CONTINUOUS T CELL RECEPTOR INTERACTIONS WITH SELF-LIGANDS, Presenting Author: **Dakota Rogers**, McGill University (Abstract #14)
- 15:45 DRIVER MUTATIONS IN JANUS KINASES LEADS TO B CELL ACUTE LYMPHOBLASTIC LEUKEMIA ASSOCIATED WITH THE LACK OF SPI-B AND PU.1 TRANSCRIPTION FACTORS, Presenting Author: **Carolina Batista**, Western University (Abstract #65)
- 16:00 T CELL-INTRINSIC DIFFERENCES SKEW THE THYMIC SELECTION THRESHOLD IN NEONATES VERSUS ADULTS, Presenting Author: **Mengqi Dong**, Université de Montréal (Abstract #11)
- 16:15 IGA IMMUNE COMPLEXES STIMULATE NETOSIS DURING VIRAL INFECTION AND AUTOIMMUNITY, Presenting Author: **Hannah Stacey**, McMaster University (Abstract #96)

Workshop 2 / Atelier 2: Host-Pathogen Interactions: From Innate to Adaptive Host Responses

(University Community Centre – Room 41)

Dr. Kelly Summers and Dr. Matthew Miller

(Speakers in order of presentation - 10 min. presentation, 5 min. discussions)

- 14:30 PROGRESSIVE LEISHMANIA AMAZONENSIS INFECTION IS DRIVEN BY IFN-GAMMA-MEDIATED RECRUITMENT OF INOS-CCR2+ INFLAMMATORY MONOCYTES TO THE SKIN, Presenting Author: **Nathan Peters**, University of Calgary (Abstract #121)
- 14:45 ANTI-HOMOTYPIC AFFINITY MATURATION IMPROVES HUMAN B CELL RESPONSES AGAINST A REPETITIVE MALARIA ANTIGEN, Presenting Author: **Jean-Philippe Julien**, The Hospital for Sick Children Research Institute (Abstract #20)
- 15:00 THE HISTONE H2B DEUBIQUITINASE USP22 PROMOTES B LYMPHOPOIESIS AND ANTIBODY CLASS SWITCH RECOMBINATION BY FACILITATING DNA REPAIR, Presenting Author: **Conglei Li**, University of Toronto (Abstract #22)
- 15:15 GITR DOWNREGULATES DR6 BY MIR-17-95 IN CD8+ T LYMPHOCYTES, Presenting Author: **Anh Tran**, University of Toronto (Abstract #109)
- 15:30 M(IL-4) TISSUE MACROPHAGES SUPPORT EFFICIENT INTERFERON- γ PRODUCTION IN ANTIGEN-SPECIFIC CD8+ T CELLS WITH REDUCED PROLIFERATIVE CAPACITY, Presenting Author: **Andra Banete**, Queen's University (Abstract #93)
- 15:45 INFLUENZA-SPECIFIC CD8+ T CELL RESPONSES ARE AUGMENTED BY ADMINISTRATION OF BACTERIAL SUPERANTIGENS, Presenting Author: **Courtney Meilleur**, The Western University (Abstract #83)
- 16:00 PROLONGED INFECTION AND REDUCED IMMUNE ACTIVATION DURING BRAZILIAN ZIKA VIRUS INFECTION IN WILD-TYPE MICE, Presenting Author: **Ryan Pardy**, McGill University (Abstract #115)
- 16:15 ELUCIDATING THE ROLE OF VIRAL INFECTION ON THE PATHOGENESIS OF AMYOTROPHIC LATERAL SCLEROSIS, Presenting Author: **Neda Barjesteh**, McMaster University (Abstract #95)

Sunday, June 3 / Dimanche, 3 juin

***Sponsored by / Parrainé par:
Miltenyi Biotec, StemCell Technologies, Inc.***

**Workshop 3 / Atelier 3: Immune-Mediated Diseases: Tolerance,
Autoimmunity and Inflammation**

(University Community Centre – Room 56)

Dr. Lisa Cameron and Dr. Colin Anderson

(Speakers in order of presentation - 10 min. presentation, 5 min. discussions)

- 13:30 SEX- AND AGE-LINKED VARIATION IN IMMUNE CELL COMPOSITION AND INFLAMMATORY POTENTIAL IN THE HUMAN LIVER, Presenting Author: **Deeqa Mahamed**, University Health Network (Abstract #42)
- 13:45 CHROMOFUNGIN REGULATES COLITIS AND DENDRITIC CELL-RELATED MARKERS, Presenting Author: **Kunal Kapoor**, Department of Immunology, University of Manitoba, Winnipeg, MB (Abstract #102)
- 14:00 HUMAN REGULATORY DENDRITIC CELL INDUCTION OF CD25+ CD127-REGULATORY T CELLS THAT SUPPRESS CAT AND PEANUT ALLERGIES IN VITRO, Presenting Author: **Christopher Rudulier**, University of Saskatchewan (Abstract #47)
- 14:15 THE ROLE OF VISTA IN CD71+ ERYTHROID CELL MEDIATED IMMUNOSUPPRESSION, Presenting Author: **Shima Shahbaz**, University of Alberta (Abstract #15)
- 14:30 MTECLOW BIAISED TISSUE RESTRICTED ANTIGEN EXPRESSION SUPPORTS PIEL DIFFERENTIATION, Presenting Author: **Marie-Ève Lebel**, Maisonneuve-Rosemont Research Center (Abstract #45)
- 14:45 NLRX1 PREVENTS THE DEVELOPMENT OF SPONTANEOUS EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS IN MICE, Presenting Author: **Denis Gris**, University of Sherbrooke (Abstract #92)
- 15:00 AUTOIMMUNE PRE-GERMINAL CENTER B AND T CELL INTERACTIONS ARE SHORT-LIVED AND DISTINCT FROM THOSE IN RESPONSE TO A FOREIGN ANTIGEN, Presenting Author: **Kate Parham**, Western University (Abstract #13)
- 15:15 NATURAL KILLER CELLS REGULATE TH17 CELLS AFTER AUTOLOGOUS HEMATOPOIETIC STEM CELL TRANSPLANTATION FOR RELAPSING REMITTING MULTIPLE SCLEROSIS, Presenting Author: **Peter Darlington**, Concordia University (Abstract #90)

Workshop 4 / Atelier 4: Tumor Immunology, Immunotherapy and Vaccination
(University Community Centre – Room 41)

Dr. Lakshman Gunaratnam and Dr. Michele Ardolino

(Speakers in order of presentation - 10 min. presentation, 5 min. discussions)

- 13:30 EXPANSION CONVERTS IMMUNOSUPPRESSED OVARIAN CANCER PATIENT NK CELLS TO A NOVEL CD56BRIGHT/BRIGHTCD16+ CYTOTOXIC SUBSET THAT REDUCES ESTABLISHED AUTOLOGOUS TUMOUR, Presenting Author: **Sophie Poznanski**, McMaster University (Abstract #138)
- 13:45 AN ORF VIRUS-INFECTED CELL VACCINE ELICITS LONG-TERM SURVIVAL IN AN OSTEOSARCOMA LUNG METASTASIS MODEL THROUGH NK CELL ACTIVITY, Presenting Author: **Jacob van Vloten**, University of Guelph (Abstract #140)
- 14:00 COMBINING DECITABINE WITH ONCOLYTIC VIRUSES TO KILL ACUTE LEUKEMIAS BY OXIDATIVE STRESS, Presenting Author: **Megan Whaley**, University of Guelph (Abstract #124)
- 14:15 GLYCOLIPID STIMULATION OF INVARIANT NKT CELLS MOBILIZES PRECURSORS OF MATURE NK CELLS AND POTENTIATES THEIR PARTICIPATION IN IMMUNE SURVEILLANCE AGAINST METASTATIC CANCER, Presenting Author: **Joshua Choi**, University of Western Ontario (Abstract #145)
- 14:30 USING INTRAVITAL MICROSCOPY TO ELUCIDATE THE ROLE OF INFECTED PERICYTES IN ONCOLYTIC VIRAL THERAPY, Presenting Author: **Madison Turk**, University of Calgary (Abstract #130)
- 14:45 HYPERSPECTRAL CELL SOCIOLOGY FOR INVESTIGATING CELL-CELL INTERACTIONS FROM IHC IMAGES, Presenting Author: **Spencer Martin**, University of British Columbia (Abstract #139)
- 15:00 ELEVATED GLUCOCORTICOID RELEASE DURING PSYCHOLOGICAL STRESS DIMINISHES ANTITUMOR IMMUNITY PROMOTED BY INVARIANT NKT CELLS, Presenting Author: **Patrick Rudak**, Western University (Abstract #143)
- 15:15 USING MASS CYTOMETRY TO PROFILE THERAPEUTIC RESPONSES IN HIGH-RISK B-ALL, Presenting Author: **Alicia Kilfoy**, University of Toronto (Abstract #137)