



Joint Summer Student Research Day Agenda

Participating Programs: CRP, CHHD, MeDIC, RESP, CHAL

Thursday, August 10, 2017

Room: ES1.1129 Auditorium

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| 8:30 | Arrive with powerpoint presentation on USB to load on computer | | |
| 8:55 | Welcoming remarks by Dr. Bruce Mazer | | |
| | SPEAKER | PI | PROGRAM |
| 9:00 | Orsolya Lapohos INVESTIGATING THE EFFECTS OF NEUTROPHIL EXTRACELLULAR TRAPS ON POST-ADHESIVE EVENTS IN CANCER PROGRESSION | Lorenzo Ferri | CRP |
| 9:10 | Rachel Smith FACTORS INFLUENCING OSSEOINTEGRATION FAILURE IN BONE ANCHORED HEARING IMPLANTS: A SYSTEMATIC REVIEW | Sam Daniel | CHHD |
| 9:20 | Fiona Zhao FUNCTIONAL ANALYSIS OF CANDIDATE TBC-2 REGULATORS | Christian Rocheleau | MeDIC |
| 9:30 | Caitlin Mehrotra THE AHR TRANSCRIPTIONALLY REGULATES ENDOPLASMIC RETICULUM (ER) STRESS GENES | Carolyn Baglole | RESP |
| 9:40 | Christopher O'Connor UNDERSTANDING THE GENETIC BASIS OF SPONTANEOUS CORONARY ARTERY DISSECTION (SCAD) | James Engert | CHAL |
| 9:50 | Michaël Medeiros Charbonneau THE OPAL CAREGIVER APP | John Kildea | CRP |
| 10:00 | Laura Rendon MONOGENIC FORMS OF DIABETES CAUSED BY MUTATIONS IN HNF1A, HNF4A, GCK, INS, ABCC8 AND KCNJ11 | Constantin Polychronakos | CHHD |
| 10:10 | Coffee Break | | |
| 10:35 | Rachel Greben PARATHYROID CELL TRANSCRIPTION FACTOR GLIAL CELLS MISSING-2: NOVEL INACTIVATING AND ACTIVATING MUTATIONS CAUSE HYPOPARATHYROIDISM AND HYPERPARATHYROIDISM, RESPECTIVELY | Geoffrey Hendy | MeDIC |
| 10:45 | Hedi (Henry) Zhao STAT6-DEPENDENT REGULATION OF IL-33-INDUCED ALTERNATIVELY ACTIVATED MACROPHAGE DIFFERENTIATION IN MALE AND FEMALE MICE | Elizabeth Fixman | RESP |
| 10:55 | Hannah Burr RARE GENETIC VARIANTS CONTRIBUTE TO AORTIC STENOSIS | James Engert | CHAL |
| 11:05 | Anthony Smith TRANSCRIPTOMIC ANALYSIS OF PROSTATE CANCER BIOPSIES | Axel Thomson | CRP |
| 11:15 | Gabriele Bersano Marchisio CLAUDINS AND NEPHRIC DUCT FORMATION IN THE CHICK | Indra Gupta | CHHD |
| 11:25 | Sean McGrath A COMPARISON OF METHODS FOR META-ANALYZING MEDIANS: APPLICATIONS TO ESTIMATING DIAGNOSTIC DELAYS | Andrea Benedetti | RESP |
| 11:35 | Malik Elharram HYPERTENSIVE DISEASES IN PREGNANCY AND LONG-TERM COGNITIVE FUNCTION: A SYSTEMATIC REVIEW | Louise Pilote | CHAL |
| 11:45 | Oral presentation closing remarks by Dr. Aimee Ryan | | |
| 11:55 | Lunch and general poster viewing Lunch is provided for all presenting summer students and their direct supervisor (PI or senior trainee) | | |
| 13:00 | Poster Session: All presenters should be by their poster Coffee and dessert available for everyone | | |
| 14:30 | Poster presentation closing remarks by Dr. Emily Bell and presentation of awards to summer students End of poster session – please remove your poster from the boards | | |



| POSTER PRESENTATIONS | | | |
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| POSTER | SPEAKER | PI | PROGRAM |
| 1 | Alexandre Goumba C2CD3, A NEW RENAL CILIOPATHY GENE? | Paul Goodyer | CHHD |
| 2 | Audrey Kapelanski-Lamoureux GENERATING A GENE EXPRESSION SIGNATURE THAT DISTINGUISHES BETWEEN THE MAJOR HISTOLOGICAL GROWTH PATTERNS IN COLORECTAL CANCER LIVER METASTASES THAT PREDICT REPOSE TO ANTIANGIOGENIC THERAPY | Peter Metrakos | CRP |
| 3 | Alicia Jia CALCIUM-SENSING RECEPTOR GENE TRANSCRIPTION IS UPREGULATED BY PROINFLAMMATORY CYTOKINES AND RETINOIC ACID | Geoffrey Hendy | MeDIC |
| 4 | Anindhita Muralidharan GENETIC ANALYSIS AND CHARACTERIZATION OF BRCA1 MUTATIONS IN CANADIAN OVARIAN CANCER CASES | Patricia Tonin | CRP |
| 5 | Brittany Ngo THE IMPACT OF MATERNAL SOCIOECONOMIC STATUS ON OUTCOME IN ASPHYXIATED NEWBORNS TREATED WITH HYPOTHERMIA | Pia Wintermark | CHHD |
| 6 | Camilah Arbabian STUDIES ON A PATIENT WITH PUTATIVE METHYLENETERAHYDROFOLATE DEHYDROGENASE 1 (MTHFD1) DEFICIENCY | David Rosenblatt | CHHD |
| 7 | Reginold Sivarajan CAREER OUTCOMES OF RI-MUHC GRADUATES FROM 2009-2012 (MSc/PhD/PDF) | Emily Bell | D-CAT |
| 8 | Dylan Mann-Krzisnik THE EFFECT OF TISSUE COMPOSITION UNCERTAINTY ON DOSE DISTRIBUTIONS IN BRACHYHTHERAPY | Shirin Enger | CRP |
| 9 | Daniel Kaufman ILLUMINATING THE ROLE OF AUTOPHAGY IN KIDNEY PODOCYTE PROTEOSTASIS | Andrey Cybulsky | MeDIC |
| 10 | DoYeon Kim WAITING TIME ESTIMATES FOR RADIOTHERAPY TREATMENTS | John Kildea | CRP |
| 11 | Izabela Natalia Faria Gomes EVALUTION AND CHARACTERIZATION XYLOPIA AROMATICA EXTRACTS AGAINST EHRlich TUMOR CARCINOMA | Bertrand-Jean Claude (RI-MUHC host) | MeDIC |
| 12 | Jenny Dimakos RECOVERY FROM FACIAL NERVE PARALYSIS CAUSED BY OTITIS MEDIA: A REVIEW ANALYZING AVAILABLE TREATMENT STRATEGIES | Sam Daniel | CHHD |
| 13 | Jill Laurin GENETIC ANALYSES OF GERMLINE BRIP1 MUTATIONS IN CANADIAN OVARIAN CANCER COHORTS | Patricia Tonin | CRP |
| 14 | Jingxuan (Betty) Zhang LUNG CANCER PATIENTS FROM NUNAVIK COMPARED TO THOSE RESIDING IN MONTREAL: A DESCRIPTIVE ANALYSIS USING THE MUHC LUNG CANCER REGISTRY | Faiz Ahmad Khan | RESP |
| 15 | Joseph DeCunha RESOLVING DOSIMETRIC ISSUES FOR THE REVIVAL OF INTRAVASCULAR BRACHYHTHERAPY | Shirin Enger | CRP |
| 16 | Julien Mégrourèche AUTOMATED QUALITY ASSURANCE OF MRI | Ives Levesque | CRP |
| 17 | Laurene Beyssac ROLE OF EPIGENETICS IN THE SHORT AND LONG TERM CHANGES INDUCES BY ENDOCRINE DISRUPTORS IN RAT TESTIS | Martine Culty | MeDIC |
| 18 | Laurence Gagnon STRUCTURAL ANALYSIS OF THE PROSTAGLANDIN F2alpha RECEPTOR USING A PHOTO-CROSSLINKING METHOD | Stephane Laporte | MeDIC |
| 19 | Luana Nemteanu PAST AND PRESENT USE OF SMOKING CESSATION INTERVENTIONS IN INUIT-MAJORITY REGIONS OF NUNAVUT, NUNAVIK, NUNAATSIAVUT AND INUVIALUIT; A SURVEY OF PUBLIC HEALTH DEPARTMENTS AND CLINICAL PERSONNEL | Faiz Ahmad Khan | RESP |



POSTER PRESENTATIONS

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|--------|---|---|--------------|
| 20 | Maame Brako ROLE OF HuR in RADIATION INDUCED IDIOPATHIC PULMONARY FIBROSIS | Carolyn Baglole | RESP |
| 21 | Madison Meehan ENRICHMENT OF CIRCULATING PLACENTAL EXTRACELLULAR VESICLES: PROTOCOL OPTIMIZATION | Stella Daskalopoulou | CHAL |
| 22 | Marco Campoli HuR AND METABOLIC REPROGRAMMING IN LUNG FIBROBLASTS: IMPLICATIONS FOR IDIOPATHIC PULMONARY FIBROSIS (IPF) | Carolyn Baglole | RESP |
| 23 | Michelle Guo THE ARYL HYDROCARBON RECEPTOR (AHR) REGULATION OF LONG NONCODING RNA (LNCRNA) | Carolyn Baglole | RESP |
| 24 | Michelle Liang MUSCLE MECHANICS OF CRYOPRESERVED EQUINE TRACHEAL SMOOTH MUSCLE TISSUES | Ann-Marie Lauzon | RESP |
| 25 | Monica Hsieh CHARACTERIZATION OF LIVER DISEASE IN THE PEX1-G844D MOUSE MODEL FOR ZELLWEGER SPECTRUM DISORDER | Nancy Braverman | CHHD |
| 26 | Marcela Nunes Rosa ESTABLISHMENT AND INITIAL CHARACTERIZATION OF A BRAZILIAN CERVICAL CANCER CELL LINE | Rui Manuel Reis/Bertrand Jean-Claude (RI-MUHC host) | MeDIC |
| 27 | Manel Charouni PERSONALIZED TIMELINES AND SYMPTOM TRACKERS FOR OPAL, A MOBILE APP FOR ONCOLOGY | John Kildea/Laurie Hendren | CRP |
| 28 | Nawal Mamoun Title to be announced | John Mitchel | CHHD |
| 29 | Raphael Zonis MICROFLUIDIC CAPTURE OF AIRWAY SMOOTH MUSCLE CELLS FOR MECHANICS MEASUREMENTS | Anne-Marie Lauzon | RESP |
| 30 | Sahas Leelodharry TOOLS TO CREATE, DEPLOY AND DISPLAY QUESTIONNAIRES FOR OPAL | John Kildea / Laurie Hendren | CRP |
| 31 | Simon Rabinowicz GORLIN OR CURRY JONES SYNDROME? | William Foulkes | CRP |
| 32 | Sonia Wu THE ROLE OF THE ARYL HYDROCARBON RECEPTOR (AHR) ON PULMONARY INFLAMMATION | Carolyn Baglole | RESP |
| 33 | Timothy Tai MAGNETIC-ACTIVATED CELL SORTING: AN EFFECTIVE METHOD TO POTENTIALLY ENHANCE MALE FERTILITY BY IMPROVING SPERM CHROMATIN QUALITY IN INFERTILE | Peter Chan | CHHD |
| 34 | Veronica Teixeira ANALYZING CLAUDIN FUNCTION DURING SECONDARY NEURULATION IN CHICK EMBRYOS | Aimee Ryan | CHHD |
| 35 | Wei (Wendy) Zhao EFFECT OF MILK ORAL IMMUNOTHERAPY ON SERUM IMMUNOGLOBULIN A | Bruce Mazer | RESP |
| 36 | Wen Quan Li WAITING TIME VISUALIZATIONS | John Kildea | CRP |
| 37 | Yu Bai He Shen GENE EXPRESSION ANALYSIS IN ATHEROSCLEROTIC PLAQUE MACROPHAGES OBTAINED FROM LASER-CAPTURE MICRODISSECTION | Stella Daskalopoulou | CHAL |
| 38 | Zhi Di (Judy) Deng FGF10 HAPLOINSUFFICIENCY AND CORRELATION WITH COPD SUSCEPTIBILITY | Carolyn Baglole | RESP |
| 39 | Alexis Nolin-Lapalme CALCIUM-SENSING RECEPTOR VARIANT R544Q: THE HETEROZYGOTE IS A BENIGN POLYMORPHISM BUT HOMOZYGOSITY PRESENTS AS AUTOSOMAL DOMINANT HYPOCALCEMIA | Geoffrey Hendy | MeDIC |