BD

Immunology Post doctoral Research Day and

BD Biosciences Immunology Postdoctoral Award Lecture

April 10, 2025, 10:30- 5PM, Room 221 Galbraith Building 35 St George

10:00 AM Coffee available/talk set up

Session 1

10:30 **John Heath** (Ohashi lab) "Defining deletion trajectory CD8+ T cell fates"

11:00 **Vinothkumar Rajan** (Zúñiga-Pflücker lab) "Evolutionarily divergent Notch regulation underpins the initiation of human T-cell development"

11:30 **Brendan Cordeiro** (Dunn lab)   "Obesity Intensifies Sex-specific Interferon (IFN) Signaling to Selectively Worsen Central Nervous System Autoimmunity in Females"

12:00 **Kevin Champagne-Jorgensen** (Gommerman lab)   **short talk** "A multi-omic pipeline identifies complement as a driver of age-dependent progression in a model of multiple sclerosis"

12:10 **Natalie Edner** (Gommerman lab) **short talk** "Dissecting the SARS-CoV-2-specific mucosal IgA plasma cell response in the upper respiratory tract"

12:20 **Anthony Altieri** (Buechler lab) **short talk** "Dermatopontin-expressing fibroblasts effect an essential skin macrophage niche"

12:30 *Lunch /coffee and networking (box lunches provided for those who registered)*

Session 2

1:30 **Sara Lamorte** (MgGaha lab) "Lymph node macrophages drive immune tolerance and resistance to cancer therapy by IL-33 expression."

2:00 **Mark Gower** (Tikhonova lab) "Inflammatory state defines a high-risk T-lineage acute lymphoblastic leukemia subgroup"

2:30 **Nastaran Fazel Modares** (Mak lab) " Acetylcholine derived from B lymphocytes controls liver regeneration"

3:00 **Jitender Yadav** (Philpott lab) "NOD2 sensing at the level of adipose tissue regulates insulin sensitivity in a mouse model of chronic intestinal inflammation"

3:30 break

4PM-5PM BD Biosciences Immunology Post doctoral award Presentation and lecture

Chair: Jen Gommerman

To be presented by Scott Hayes, BD Biosciences to:

Bhupesh Thakur (Martin Lab). "Deciphering pathophysiology to strategize the prevention of gastrointestinal diseases and cancer"