

BD Biosciences Immunology Post doc award lecture and Post/doc RA Research Day

June 10, 2024

Room 2170 MSB, 12-5PM

Noon-12:30 Boxed Lunch / Networking

Talks are 20 minutes plus 5 discussion or 7 minutes +3 discussion as indicated; Presenter is underlined

Session 1.

12:30 Vinothkumar Rajan, Christina R Lee, Juan Carlos Zúñiga-Pflücker, Navigating Lineage Options: A Data-Driven Quest to Uncover T Cell Fate Decision Trajectories (**20 minutes +5**)

12:55 Alicia G. Aguilar-Navarro, Gibran Edun, Anastasia N. Tikhonova. Obesity-Induced Changes in Bone Marrow Microenvironment and Immune cell Interactions (**7 minutes plus 3**)

1:05 Rachel Edgar (McParland Lab) Single-Cell Atlas of Human Pediatric Livers Reveals A Macrophage Specific Immune Activation Signature" (**20 minutes +5**)

1:30 Kyle Burrows, Louis Ngai, Edward Chen, Pailin Chiaranunt, Siu Ling Tai, Manjula Kamath, Juan Carlos Zúñiga-Pflücker, and Arthur Mortha, Epithelial-derived notch signals drive tissue specific adaptations in intestinal group 2 innate lymphoid cells (**20 minutes +5**).

1:55- 2:15 Coffee/tea/cookies

Session 2.

2:15 Janna R. Shapiro, Shelly Bolotin, Nathalie Simard, and Tania Watts. Development of a sample-sparing method to measure vaccine-induced cell-mediated immunity (**7+3**)

2:25 Nuria Alvarez-Sanchez, Thomas A. Heaney, Josephine Gomes, Brendan Cordeiro, Jeeyoon J. Ahn, Tae Joon Yi, Monan Angela Zhang, Shannon E. Dunn. Cellular mechanisms behind the female bias in central nervous system autoimmunity (**20+5**)

2:50 Georgina A Craig, Keon Arbabi, Luise Seeker, Jamie Rose, Steven Mitchell, Jessica Thapar, Colin Smith, Tara Spires-Jones, Simon Cox, Shreejoy Tripathi, Anna Williams, Véronique Miron. Oligodendrocyte accumulation drives human cognitive decline . (**20 minutes+5 discussion**)

3:15 Ikbel Naouar, Andrei Pangan, Michelle Zuo, Kevin Champagne-Jorgensen, Adam Groh, Angela Wang, Annie Pu, Lesley Ward, Shoshana Spring, Bruno Cenni, Barbara Nuesslein-Hildesheim, John Sled, Jo Anne Stratton, Jeffrey Browning, Valeria Ramaglia*, Jennifer Gommerman* A brain penetrant Bruton's tyrosine kinase inhibitor prevents meningeal inflammation and subpial cortical injury in CNS autoimmunity via the Lymphotoxin pathway (**20 minutes+ 5 discussion**)

3:40- 4 Break

4-5 PM BD Immunology PDF award lecture-award presented by Scott Hayes, BD Biosciences

Tapas Mukherjee (Philpott/Girardin Labs) NOD-ing off Crohn's Disease-associated manifestations