



<p align="center">Opening Remarks – Dr. Katharina Lahl and Dr. Johnathan Canton Location: Theatre One; 9:00 – 9:15 AM</p>	
<p align="center">Oral Presentation Session #1 Theatre One, 9:15-10:15 Session Chair: Hayley Gorman</p>	
9:15 AM	<p align="center">Ammar Sleitin; Jacquelot Research Group <i>The role of ILC2 in PD-1 blockade therapy efficacy.</i></p>
9:30 AM	<p align="center">Nathan Barreth; Choi Research Group <i>SIGLEC1 is a biomarker of disease activity in autoimmune inflammatory myopathies.</i></p>
9:45 AM	<p align="center">Martin Bardhi; Sharkey and Nguyen Research Groups <i>The Role of Gut Microbiota in the TDP43 Mouse Model of Amyotrophic Lateral Sclerosis.</i></p>
10:00 AM	<p align="center">Hong Anh Tran; Arrieta Research Group <i>Metagenomic Analysis of the Effects of Short-term and Long-term Antibiotic Treatments on Human Early-life Gut Microbial Functions using the HUMAnN3 pipeline.</i></p>
<p align="center">Poster Session #1 & Coffee Break HRIC Atrium; 10:15 – 11:30 AM</p>	
<p align="center">Oral Presentation Session #2 Theatre One, 11:30 AM – 12:15 PM Session Chair: Daniel Castañeda Mogollon</p>	
11:30 AM	<p align="center">Karanjot Klair; Lewis Research Group <i>CO2 deprivation and its effect on metabolism in Neisseria gonorrhoeae with β-carbonic anhydrase mutations.</i></p>
11:45 AM	<p align="center">Ken Kont; Kubes Research Group <i>Characterizing resident cavity macrophages and the immune cell population in human pleural fluid.</i></p>
12:00 PM	<p align="center">Orchee Haque; Cobo Research Group <i>Endogenous cathelicidins influence mast cell responses in the colon in a microbiota-independent manner.</i></p>
<p align="center">Lunch HRIC Atrium; 12:15 – 1:15 PM</p>	
<p align="center">Poster Session #2 HRIC Atrium; 1:15 – 2:45 PM</p>	
<p align="center">Oral Presentation Session #3 Theatre One; 2:45 PM – 3:45 PM Session Chair: Corienne Gammariello</p>	
2:45 PM	<p align="center">Sophie Hoyer; Lewis Research Group <i>Genomic Epidemiology of Enterococci Bloodstream Infections: Analyzing Hospital-Acquired Transmission Clusters.</i></p>
3:00 PM	<p align="center">Ghadir Alhindal; Leidal Research Group <i>Development of an Influenza A Virus Infection Model to Define the Role of Extracellular Vesicle Secretion in Host-Pathogen Interactions.</i></p>
3:15 PM	<p align="center">Farbod Moghaddam; Choi Research Group <i>Machine Learning Can Identify Antinuclear Antibody Patterns That May Rule Out the Diagnosis of Systemic Autoimmune Rheumatic Diseases.</i></p>
<p align="center">Prizes & Closing Remarks Theatre One; 3:45 – 4:00 PM</p>	
<p align="center">Reception HRIC Atrium; 4:00 – 5:00 PM</p>	



Poster Presenters	
Session 1 10:15 – 11:30 AM	Simrit Rai; Arrieta and Buret Research Groups <i>Effects of a premature microbiome on growth and neurodevelopment in mice in response to stress and probiotic supplementation</i>
	Zena Yacout; Giembycz Research Group <i>Pro-inflammatory role of carbachol in airway epithelia</i>
	Senthuran Muralitharan; Pillai Research Group <i>Enhancing Multiplex RT-LAMP Efficiency for Differentiating Respiratory Viruses Through Melt Curve Analysis</i>
	Yvonne Chen; Canton Research Group <i>How “danger” signals on cells drive cross-presentation and anti-tumour immunity</i>
	Jackson Harding; Arrieta Research Group <i>Development of a Point-of-Care Method to Improve Microbiome Care in Premature Infants</i>
	Zoha Shehzad; Geuking Research Group <i>Determining Microbiota Influence on Lymphocytic Choriomeningitis Virus (LCMV) Tropism</i>
	Shahrbano Rukunuddin; Thornton Research Group <i>Development and Validation of a DNA Extraction Method for Microbiome Sequencing for Aspergilloma Bronchoalveolar Lavage Samples</i>
	Delaney Robinson-Wong; Lahl Research Group <i>The Impact of Rotavirus Infection on Intrinsically Derived IgA Responses in the Neonatal Intestine</i>
	Camri B. Imlach; Mahoney Research Group <i>Compact human distal LCK promoter retains function and T-cell specificity for clinical HSC gene therapies</i>
	Shannon Senanayake; Arrieta Research Group <i>Probiotics are associated with Bifidobacterium spp. in the preterm infant gut in a gestational age-dependent manner</i>
	Kylie Tiedje; Cobo Research Group <i>The involvement of inflammasome-activated macrophages in swine dysentery colitis.</i>
	Shayne McArthur; de Buck and Acedo Research Groups <i>The Bacteriocin, Corynacin, as a Novel Antimicrobial Agent Against Methicillin-Resistant Staphylococcus aureus</i>
	Madeline Day; Corcoran Research Group <i>Identification and characterization of truncated proteoforms of the human coronavirus 229E nucleocapsid protein</i>
	Tiana Sajic; Sycuro Research Group <i>Production of prebiotic fructooligosaccharides by beneficial vaginal bacteria</i>
	Sofia Leuchter; Storek and Ghazal Research Groups <i>Definite Determination of Covariates Influencing ATG-T Pharmacokinetics</i>
Irene Dinh; Canton Research Group <i>Characterization of the Putative Pore-Forming Protein Apolipoprotein L 9A (APOL9A) in Macrophages</i>	
Tala Al-Yasiri; Krawetz and Coffin Research Groups <i>Investigating the Role of Proteoglycan 4 in the Context of Hepatitis B Virus Infection</i>	



Session 2 1:45 – 2:30 PM	David Le; Sharkey and MacNaughton Research Groups <i>Do short chain fatty acids activate myenteric neurons in the colon?</i>
	Everet Wiszniak; Corcoran Research Group <i>How cellular RNA decay factors affect the success of coronavirus infections</i>
	Rajpreet Randhawa; Liao and Xue Research Groups <i>Understanding the Role of Inflammation in the Alteration of the FRC-Conduit Network and Lymphocyte Migration in the Lymph Node</i>
	Rosalia Salama; Nasser Research Group <i>Evaluating the pro-nociceptive effect of short-chain fatty acids: role of the epithelium</i>
	Humna Maryam; Ousman Research Group <i>Breaching the Blood-Brain Barrier: The Sex-Specific Role of Astrocytic Cystatin C on Multiple Sclerosis</i>
	Lauren Over; Sycuro Research Group <i>Complement-targeting proteolytic activity of vaginal Porphyromonas: a driver of preterm labour?</i>
	Jackie Tsasa; Leidal Research Group <i>ATG16L regulates the degradative and secretory functions of the autophagy pathway</i>
	Jasmine Parhar; Lewis Research Group <i>Metabolic Profiling of antimicrobial resistant Neisseria gonorrhoeae aconitase mutants</i>
	Nazeefa Ahmed; Kelly Research Group <i>A comparison of two endobronchial biopsy methods to investigate airway remodeling in asthma</i>
	Anthony Machado; McDonald Research Group <i>Harnessing Commensal Gut Microbiota to Establish Colonization Resistance Against Enterobacteriaceae Overgrowth in Critically Ill Patients.</i>
	Farbod Moghaddam; Choi Research Group <i>Machine Learning Approach for the Interpretation of Antinuclear Antibody Screening Test for Systemic Autoimmune Rheumatic Diseases</i>
	Farbod Moghaddam; Choi Research Group <i>Analysis of the Implications of Lumbopelvic Alignment on the Alignment of the Cervical Spine</i>
	Sanraj Singh; Kai and Newton Research Groups <i>Comparative study of decellularization protocols for tissue extracellular matrix (ECM)</i>
	Isabelle Marie B Horsman; Liao and Gieg Research Groups <i>Characterising the Derivation and Recovery of Pial Macrophages for Brain Drainage</i>
Alisa Guri; Gillrie Research Group <i>Exploring osmotic shock as a mechanism of E-cigarette or Vaping Induced Lung Injury (EVALI) using a human lung-on-a-chip with resident immune cells</i>	
Sami Hoque; Lu Research Group <i>Dietary Restrictions in Ileal Crohn's Disease Patients With and Without Strictures: A Comparative Analysis</i>	