



Banff Inflammation Workshop 2025 Scientific Program

Thursday, January 23, 2025

16:00–18:00	Registration Desk <i>Professional Development Centre, Main Lobby Lounge</i>
17:30	Welcome Reception <i>Kinnear Centre, Room 105</i>
19:00	Dinner <i>Kinnear Centre, Room 103</i>
19:45	KEYNOTE ADDRESS: Central role of the epithelium in gut health and disease Dr. Theresa Pizarro (Case Western Reserve University)

Friday, January 24, 2025

07:00–08:30	Breakfast <i>Vistas Dining Room, Sally Borden Building</i>
08:00–10:00	Registration Desk <i>Max Bell Central Foyer</i>
08:00–17:00	Posters <i>Kinnear Centre, Rooms 101/105</i>

SCIENTIFIC SESSIONS WILL BE HELD IN THE MAX BELL AUDITORIUM

08:50–09:00	Welcome: Dr. Wally MacNaughton (University of Calgary)
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SESSION 1: Microbiome and Inflammatory Disease

Co-Chairs: Dr. Kim Barrett (University of California, Davis); Dr. Lisa Reynolds (University of Victoria)

09:00–09:30	The microbiome's role in critical illness Dr. Robert Dickson (University of Michigan)
09:30–10:00	Why do babies get sick? A systems biology approach to developing diagnostics and therapeutics for neonatal sepsis Dr. Amy Lee (Simon Fraser University)
10:00–10:30	Microbiota-immune interactions that promote health Dr. June Round (University of Utah)
10:30–10:45	Coffee Break
10:45–11:15	Exploring the microbiome of suppurative lung diseases Dr. Christina Thornton (University of Calgary)
11:15–11:45	Commensal microbiota promote $\gamma\delta$ intraepithelial lymphocyte regulatory function Dr. Karen Edelblum (Icahn School of Medicine at Mount Sinai)
11:45–12:00	Break

12:00–13:00 | **Lunch**
Kinnear Centre, Room 103

SESSION 2: New Concepts in Understanding Inflammatory Disease

Co-Chairs: Dr. Lisa Osborne (University of British Columbia); Dr. Roger Duffin (University of Edinburgh)

13:00–13:30 | **Enabling phage therapy with bioengineering**
Dr. Zeinab Hosseinidou (McMaster University)

13:30–14:00 | **The link between tubes of poo and tubes of blood**
Dr. Kathryn Howe (University of Toronto)

14:00–14:30 | **Circadian rhythms and colitis**
Dr. Philip Karpowicz (University of Windsor)

14:30–14:45 | **Afternoon Break**

14:45–15:15 | **Trainee Quick Talks 1**
Chair: Dr. Mark Frey (University of Southern California)

- Garrett Ainsworth-Cruikshank (University of Calgary)
- Natalie Andonian (University of Calgary)
- Negin Ketabchi (Simon Fraser University)
- Darasimi Kola-Ilesanmi (University of Calgary)
- Ailidh McGonigle (University of Calgary)
- Christie Catley (The University of Newcastle)
- Kelvin Cheng (The University of Edinburgh)
- Darragh Flood (University College Dublin)
- Jenna Lane (University of Victoria)
- Amandah Necker-Brown (University of Calgary)

15:15–17:00 | **Break**

17:00–18:30 | **Poster Session 1**
Kinnear Centre, Rooms 101/105

18:30–19:30 | **Free Time**

19:30 | **Dinner**
Kinnear Centre, Room 103

Saturday, January 25, 2025

07:00–08:30 | **Breakfast**
Vistas Dining Room, Sally Borden Building

08:00–17:00 | **Posters**
Kinnear Centre, Rooms 101/105

SESSION 3: Neuroinflammation and Pain

Co-Chairs: Dr. Céline Deraison (INSERM); Dr. Stephen Keely (Royal College of Surgeons Ireland)

09:00–09:30 | **Enteric glia as modulators of visceral pain**
Dr. Brian Gulbransen (Michigan State University)

9:30–10:00 | **Meningeal immunity and its role in neuropathic pain**
Dr. Thiago Cunha (University of São Paulo)

10:00–10:30	A novel neuroimmune circuit that controls acute lung inflammation Dr. Colin Reardon (University of California, Davis)
10:30–10:45	Coffee Break
10:45–11:15	Gut-brain-immune changes following prenatal alcohol exposure: Evidence from translational models Dr. Tamara Bodnar (University of Calgary)
11:15–11:45	Methionine intake in MS and EAE: impact on neuroinflammatory processes Dr. Catherine Larochelle (Université de Montréal)
12:00–13:00	Lunch <i>Kinnear Centre, Room 103</i>

SESSION 4: Mucosal Immunity and Barrier Function

Co-Chairs: Dr. Cormac Taylor (University College Dublin); Dr. Simon Keely (University of Newcastle)

13:00–13:30	Lung repair during influenza virus infection: cytokine regulation and viral subversion Dr. Georgia Perona-Wright (The University of Edinburgh)
13:30–14:00	Is intestinal barrier loss always harmful? Dr. Jerrold Turner (Harvard University)
14:00–14:30	Dissecting macrophage regulation of lung epithelial regeneration Dr. Christopher Lucas (The University of Edinburgh)
14:30–15:00	Host-microbe interactions and mucosal barrier Dr. Sean Colgan (University of Colorado)
15:00–15:15	Break
15:15–15:45	EGFR/ErbB tyrosine kinase inhibitors as a potential new treatment for chronic inflammation Dr. Lynne Prince (University of Sheffield)
15:45–16:15	The yin and yang of directed neutrophil transmigration during mucosal injury and inflammatory disease Dr. Charles Parkos (University of Michigan)
16:15–16:45	Trainee Quick Talks 2 Chair: Dr. Simon Hirota (University of Calgary) <ul style="list-style-type: none"> • Aye Ozmaeian (University of Calgary) • Samaneh Safarpour (University of Alberta) • Nathaniel Thomson (University of Calgary) • Erika Tjostheim (University of Calgary) • Parker Volk (University of Calgary) • Natasha Norton (University of Victoria) • Tommaso Parigi (Case Western Reserve University) • Olivia Sosnowski (University of Calgary) • Julianna Svishchuk (University of Calgary) • Aerin Thompson (The University of Edinburgh)
16:45–17:30	Free time

17:30–19:00	Poster Session 2 <i>Kinnear Centre, Rooms 101/105</i>
19:00–19:30	Break
19:30	Dinner and Awards Presentation <i>Kinnear Centre, Room 103</i>

Sunday, January 26, 2025

07:00–09:30	Breakfast <i>Vistas Dining Room, Sally Borden Building</i>
12:00	Check-out