

BCID 2025 Program

[May 21](#) | [May 22](#) | [May 23](#) | [May 24](#) | [May 25](#)[Download Schedule](#)

Wednesday | May 21

3:00 PM - 6:30 PM	Check-in (Front Desk-Professional Development Building)
	(On your own for dinner)
5:30 PM - 6:30 PM	Registration
	Session 1 - New Horizons Chair: Jon Dennis University of Alberta
6:30 PM - 6:45 PM	Opening Remarks Tracy Raivio and Alexei Savchenko
6:40 PM - 7:30 PM	John Whitney McMaster University <i>A widespread family of broad-spectrum protein antibiotics</i>
7:15 PM - 7:20 PM	Questions
7:20 PM - 7:50 PM	Karen Maxwell University of Toronto <i>Exploring the anti-phage defence system network in Vibrio species</i>
7:50 PM - 7:55 PM	Questions
7:55 PM - 8:25 PM	Brent Weber University of Alberta <i>Antibacterial drug discovery using physiologically-relevant growth conditions</i>
8:25 PM - 8:30 PM	Questions
8:30 PM- 10:00 PM	Opening reception and Meet the Speaker - KC301

Thursday | May 22

7:00 AM - 8:20 AM	Breakfast Sally Borden Building
	Session 2 - Host Pathogen Interface Chairs: Amit Bhavsar University of Alberta and Alexei Savchenko University of Calgary
8:30 AM - 9:00 AM	Tamara O'Connor Johns Hopkins University, US <i>Lipid resources: Friend versus foe to pathogens and their hosts</i>
9:00 AM - 9:10 AM	Questions
9:10 AM - 9:40 AM	Karla Satchell Northwestern University <i>Vibrio MARTX toxins host cell surface interactions</i>
9:40 AM - 9:50 AM	Questions
9:50 AM - 10:10 AM	COFFEE BREAK
10:10 AM - 10:40 AM	Caroline Cameron University of Victoria <i>Investigating the Pathogen-Host Interface During Infection with the Syphilis-Causing Spirochete, Treponema pallidum</i>
10:40 AM - 10:50 AM	Questions
10:50 AM - 11:20 AM	Joanne Lemieux University of Alberta

	<i>Mechanistic insight into the regulation of virulence factors in pathogenic E. coli by rhomboid protease GlpG</i>
11:20 AM - 11:30 AM	Questions
11:30 AM - 11:45 AM	Trainee talk: To be selected from abstract <i>TBA</i>
11:45 AM - 11:50 AM	Questions
12:00 PM - 1:15 PM	Lunch Sally Borden Building)
1:15 PM - 2:45 PM	Poster session 1
2:45 PM - 7:00 PM	<i>On your own for dinner</i>
	Session 3 - Vector Borne Infections Chairs: George Chaconas University of Calgary and Nathan Peters University of Calgary
7:00 PM - 7:30 PM	Dr. Lucas Tirloni National Institute of Allergy and Infectious Diseases <i>Studying Tick Feeding Biology to Better Understand Ticks and the Transmission of Tick-Borne Pathogens</i>
7:30 PM - 7:35 PM	Questions
7:35 PM - 8:05 PM	Melissa Caimano University of Connecticut, US <i>Tick-Tok: How Lyme disease spirochetes time differential gene expression according to tick feeding.</i>
8:05 PM - 8:10 PM	Questions
8:10 PM - 8:30 PM	COFFEE BREAK (20 minutes)
8:30 PM - 9:00 PM	Matthew Rogers London School of Hygiene & Tropical Medicine, UK <i>Do Leishmania make a biofilm to aid their transmission?</i>
9:00 PM - 9:05 PM	Questions
9:05 PM - 9:20 PM	Trainee Talk: to be selected from abstract <i>TBA</i>
9:20 PM - 9:25 PM	Questions
After Hours	Meet the Speaker - Maclab Bistro Kinnear Centre

Friday | May 23

7:00 AM - 8:20 AM	Breakfast
	Session 4 - Antimicrobial drug resistance Chairs: Diego Nobrega University of Calgary and Brent Weber University of Alberta
8:30 AM - 9:00 AM	Herman Barkema University of Calgary <i>Tackling antimicrobial resistance (AMR) in humans and animals: One Health approach for fighting AMR</i>
9:00 AM - 9:10 AM.	Questions
9:10 AM - 9:40 AM	David Heinrichs University of Western Ontario <i>Investigations into new molecules to control MRSA</i>
9:40 AM - 9:50 AM	Questions
9:50 AM - 10:10 AM	COFFEE BREAK
10:10 AM - 10:40 AM	Tanis Dingle University of Calgary <i>From Bad to Worse: The Last Decade of Carbapenemase-Producing Enterobacterales in Alberta</i>
10:40 AM - 10:50 AM	Questions
10:50 AM - 11:20 AM	Omar El-Halfawy University of Regina <i>Unlocking new antimicrobial strategies by studying virulence and antibiotic resistance under host-relevant conditions</i>
11:20 AM - 11:30 AM	Questions
11:30 AM - 11:45 AM	Trainee Talk: will be selected from the abstracts <i>TBA</i>
11:45 AM - 11:50 AM	Questions
12:00 PM - 1:15 PM	Lunch Sally Borden Building

1:15 PM - 2:45 PM	Poster session II
2:45 PM - 7:00 PM	<i>On your own for dinner</i>
	Session 5 - Respiratory Infectious Diseases Chairs: Christina Thornton University of Calgary and Nargis Khan University of Calgary
7:00 PM - 7:30 PM	Stephen Barr Western University <i>Establishing a Hypertensive Hamster Model for Clinically Relevant COVID-19 Research and Beyond</i>
7:30 PM - 7:35 PM	Questions
7:35 PM - 8:05 PM	Jim Sun University of British Columbia <i>Novel targets for tuberculosis host-directed therapy</i>
8:05 PM - 8:10 PM	Questions
8:10 PM - 8:30 PM	COFFEE BREAK
8:30 PM - 9:00 PM	Ann C. Gregory University of Calgary <i>Breathing Life into Viromics: Understanding Viral Communities in the Human Lung.</i>
9:00 PM - 9:05 PM	Questions
9:05 PM - 9:20 PM	Trainee Talk: will be selected from the abstracts <i>TBA</i>
9:20 PM - 9:25 PM	Questions
After Hours:	Meet the Speaker - Maclab Bistro Kinnear Centre

Saturday | May 24

7:00 AM - 8:20 AM	Breakfast Sally Borden Building
	Session 6 - Microbiome in infection and health Chairs: Ben Willing, Wael Elhenawy University of Alberta and Laura Sycuro University of Calgary
8:30 AM - 9:00 AM	Matthew Sorbara University of Guelph <i>Harnessing genomic diversity in Lachnospiraceae to restore colonization resistance</i>
9:00 AM - 9:10 AM	Questions
9:10 AM - 9:40 AM	Wael Elhenawy University of Alberta <i>TBA</i>
9:40 AM - 9:50 AM	Questions
9:50 AM - 10:10 AM	COFFEE BREAK (20 minutes)
10:10 AM - 10:40 AM	Elena Verdu McMaster University <i>Microbial Pathogenesis in Celiac Disease</i>
10:40 AM - 10:50 AM	Questions
10:50 AM - 11:20 AM	Trevor Alexander AAFC Lethbridge <i>The role of the bovine respiratory microbiota in health and disease</i>
11:20 AM - 11:30 AM	Questions
11:30 AM - 11:45 AM	Trainee talk: will select from the abstracts <i>TBA</i>
11:45 AM - 11:50 AM	Questions
12:00 PM - 1:30 PM	Lunch
	Session 7 - Infectious diseases, bench-to-bedside Chair: Trainee led session
1:30 PM - 2:00 PM	Kevin Kain UHN <i>Transforming Fever Management: new tools to save lives and money</i>
2:00 PM - 2:05 PM	Questions
2:05 PM - 2:35 PM	Dylan Pillai University of Calgary <i>Improving access to precision infection diagnostics and outcomes</i>

2:35 PM - 2:40 PM	Questions
2:40 PM - 3:00 PM	COFFEE BREAK
3:00 PM - 3:30 PM	Simon Otto University of Alberta <i>AMR and One Health</i>
3:30 PM - 3:35 PM	Questions
3:35 PM - 3:55 PM	Sameeh M. Salama Fedora Pharm <i>Antibiotic Drug Discovery: State of the Industry</i>
3:55 PM - 4:00 PM	Questions
4:00 PM - 4:50 PM	Break (on your own)
	William Paranchych Lecture: Lori Burrows Introduction - Chair: Joe Harrison
5:00 PM - 5:50 PM	Dr. Lori Burrows McMaster University <i>Scouting - a new mode of Pseudomonas aeruginosa motility</i>
5:50 PM - 6:00 PM	Questions
6:00 PM - 6:30 PM	Networking KCCI 1 st floor Patio, Cash Bar
6:30 PM - 9:00 PM	Closing Banquet -Trainee Talk and Poster Prizes (Rm 101 Kinnear Centre)

Sunday | May 25

7:00 AM - 9:30 AM	Breakfast Sally Borden Building
11:00 AM	Checkout

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CANADA

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The University of Calgary, located in the heart of Southern Alberta, both acknowledges and pays tribute to the traditional territories of the peoples of Treaty 7, which include the Blackfoot Confederacy (comprised of the Siksika, the Piikani, and the Kainai First Nations), the Tsuut'ina First Nation, and the Stoney Nakoda (including Chiniki, Bears paw, and Goodstoney First Nations). The City of Calgary is also home to the Metis Nation of Alberta (Districts 5 and 6).

The University of Calgary is situated on land Northwest of where the Bow River meets the Elbow River, a site traditionally known as Moh'kins'tsis to the Blackfoot, Wichispe to the Stoney Nakoda, and Guts'ists'i to the Tsuut'ina. On this land and in this place we strive to learn together, walk together, and grow together "in a good way."