

Detailed Program

Please click on the [Schedule](#) page to access links to the various sessions. If you can't see the [Schedule](#) page, make sure you are logged in to this site. You are logged in if you can see your initials on the top right hand corner, if **NOT** click on "Log In" on the top right side of this website. The Schedule page is only available to CSI-SCI2021 participants who registered on the Fourwaves registration form.

Please note that all times are in Pacific Time Zone.

Monday, May 31st, 2021

- 8:00 - 8:10 AM - Welcome
CSI-SCI2021 Conference Co-Chair: **Dr. Julian Lum**, BC Cancer, Victoria, BC
CSI-SCI2021 Conference Co-Chair: **Dr. Lisa Reynolds**, University of Victoria, Victoria, BC

- 8:10 - 8:55 AM - Keynote I
IMMUNITY TO SARS-CoV-2: NOT YOUR AVERAGE RESPIRATORY VIRUS?
Dr. Tania Watts, University of Toronto, Toronto, ON
- 8:55 - 9:40 AM - Keynote II
Mitigating the COVID-19 pandemic with vaccines, the Canadian context
Dr. Joanne Langley, Dalhousie University, Halifax, NS
- 9:40 - 10:30 AM - **Break & Career Development Session for Trainees**

Enjoy a round table discussion with industry leaders, groundbreaking Canadian immunologists and fellow CSI members. This is a fantastic opportunity to ask questions regarding career options and development in science. More details will be posted closer to the event.

- 10:30 AM - 12:30 PM - **Equity Diversity and Inclusion (EDI) Session**
Chair: Dr. Yanet Valdez

The past year has seen decades of societal inequities surface and demand a response: Picture a Scientist, the gender gap in pay and representation, Black Lives Matter protests, COVID-19 exposing health inequities, racist attacks on Indigenous and Asian Canadians. Science is not removed from society and our funding agencies expect our work to address the needs of Canadians. How do racial and other inequities manifest in Science Technology Engineering and Math (STEM)? What practices can we adopt to improve outcomes for researchers from under-represented groups, and ensure diverse leadership at all levels of STEM? Our speakers have established national and international prominence addressing these issues.

- 10:30 - 11:15 AM
Dr. Akiko Iwasaki, Yale University, CT, USA
- 11:15 - 12:00 PM
What Have We Been Missing in Racial Equity in Academia?
Dr. Ninan Abraham, University of British Columbia

- 12:00 - 12:30 PM
Q&A
- 12:30 - 1:00 PM - Break / Virtual Exhibits

We encourage our participants to visit the virtual exhibits and support our exhibitors!

- 1:00 - 2:30 PM - EDI Active Learning Session

Exercise your anti-racism muscles with an interactive workshop that challenges you to recognize and react to racial inequities in STEM. This facilitated session will allow for everyone from novices to those seasoned in anti-racism to explore and discuss how racism makes itself known in the health sciences. Laptops are the suggested device for this workshop as we will be using Jamboards in break out sessions. In a pinch, you can use a combination of tablets and smartphones to have access to two screens. We hope to see you there!

Social

2:30 - 4:00 PM - Social

Join us for an informative yet hilarious event with a special appearance from science communicator and [@lab_shenanigans](#) creator, Darrion Nguyen. He will walk us through communicating science in the age of social media and how to embrace our most memorable #EpicLabFails - this is an event trainees won't want to miss!

Everyone else is invited to grab a drink and join us for a virtual social event on the Networking platform Toucan: invitation can be found on the Schedule page! Our Trainees prepared two versions of cocktails recipes (alcohol and non alcohol drinks),

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you join either social events!

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Tuesday, June 1st, 2021

- 8:00 - 9:50 AM - **Symposium I: Single Cell Approaches to Study Tissue Immunity**
Co- Chair: Dr. Slava Epelman, University of Toronto, Toronto, Ontario
Co-Chair: Dr. Sonya MacParland, University of Toronto, Toronto, Ontario
- 8:00 - 8:20 AM
What we learned from COVID-19: cell by cell, cell type by cell type, patient by patient, cohort by cohort
Dr. Joachim Schultz, University of Bonn, Bonn, Germany
- 8:20 - 8:40 AM
Understanding Sterile Cardiac Tissue Injury And Repair Through Single Cell Analyses
Dr. Slava Epelman, University of Toronto, Toronto, ON
- 8:40 - 9:00 AM
Understanding CD8+ T Cell Diversity During Adaptive Immunity at the Single-Cell Level
Dr. Janylyn Arsenio, University of Manitoba, Winnipeg, MB
- 9:00 - 9:20 AM
Decoding the Developing Human Immune System
Dr. ... Newcastle University, Newcastle, UK

- 9:20 - 9:50 AM - round table discussion with Symposium I speakers
- 9:50 - 10:30 AM - Break
- 10:30 - 11:30 AM - CIHR-III/CSI Early Career Investigator Session
Chair: Dr. Charu Kaushic, McMaster University
- 10:30 - 10:50 AM
TRAF1 Regulates Inflammasome Activation to Limit Crystal-Induced Arthritis
Dr. Ali Abdul-Sater, York University, Toronto, ON
- 10:50 - 11:10 AM
Mapping The Human Liver Microenvironment In Health And Disease
Dr. Sonya MacParland, University of Toronto, Toronto, ON
- 11:10 - 11:30 AM
A toolkit for CRISPR-based functional genomics in fungal pathogens
Dr. Rebecca Shapiro, University of Guelph, Guelph, ON
- 11:30 AM - 12:30 PM - Bernhard Cinader Award Lectureship
A life of Wasps and Caterpillars
Dr. Martin Olivier, McGill University, Montreal, QC
- 12:30 - 2:30 PM -Virtual Exhibits

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- 1:00 - 3:00 PM - Trainee Posters

Wednesday, June 2nd, 2021

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- **7:30 - 9:45 AM - Symposium II – Sex Effects on Immune Function and Disease**
Sponsored by: CIHR - Institute of Infection and Immunity

Co-Chair: **Dr. Manu Rangachari**, Université Laval, Laval, QC

Co-Chair: **Dr. Neeloffer Mookherjee**, University of Manitoba, Winnipeg, MB

- **7:30 - 7:50 AM**
Sexx Matters
Dr. Eleanor Fish, University of Toronto, Toronto, ON
- **7:50 - 8:10 AM**
Sex-Related Differences in Allergen-Mediated Inflammation and Protein Production in the Lungs
Dr. Neeloffer Mookherjee, University of Manitoba, Winnipeg, MB
- **8:10 - 8:30 AM**
Male Sex Chromosomal Complement Exacerbates the Pathogenicity of TH17 Cells in a Chronic Model of CNS Autoimmunity
Dr. Manu Rangachari, Université Laval, Laval, QC
- **8:30 - 8:50 AM**
The Sexually-Dimorphic Histone Modifying Enzyme Kdm5c is Important for Cell-Mediated Immunity
Dr. Connie Krawczyk, Van Andel Institute, Michigan, USA
- **8:50 - 9:10 AM**
Consideration of Sex in the Bladder Mucosal Immune Response
Dr. Molly Ingersoll, Pasteur Institute, Paris, France
- **9:10 - 9:45 AM - round table discussion with Symposium II speakers**
- **9:45 - 10:30 AM - Break**

- **10:30 AM - 12:30 PM - Symposium III: Allergic Disease: Pathogenesis, Prevention and Therapeutics**
Co-Chair: **Dr. John Gordon**, University of Saskatchewan, Saskatoon, SK
Co-Chair: **Dr. Kelly McNagny**, University of British Columbia, Vancouver, BC
- **10:30 - 10:50 AM**
Neonatal Origins Of Airway Allergic Disease
Dr. Kelly McNagny, University of British Columbia, Vancouver, BC
- **10:50 - 11:10 AM**
Spontaneous Protein Crystallization As A Driver Of Type 2 Immunity
Dr. Bart Lambrecht, Ghent University, Ghent, Belgium
- **11:10 - 11:30 AM**
Activation Of Multiple Pattern Recognition Receptors Underlies Dysregulated Interleukin-33 Release And Aberrant Type 2 Immune Responses
Dr. Marsha Wills-Karp, John Hopkins University, Maryland, USA
- **11:30 - 11:50 AM**
Dr. Jörg Fritz, McGill University, Montreal, QC
- **11:50 AM - 12:10 PM**
Immunotherapeutics for Treatment of Asthma and Allergic Disease
Dr. Gail Gauvreau, McMaster University, Hamilton, ON
- **12:10 - 12:30 PM - 20 minute round table discussion with Symposium III speakers**
- **12:30 - 1:00 PM - Virtual Exhibits**

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- 1:00 - 2:30 PM - Trainee Talks

1:00 - 1:02 Session Opening Remarks

Co-Chair: **Dr. Kelly Brown**, University of British Columbia and BC Children's Hospital Research Institute

Co-Chair: **Dr. Mani Larijani**, Simon Fraser University, Burnaby, BC

- 1:02 - 1:14 PM

Reversal Of T-Cell Exhaustion And Ex-Vivo Programming Of T-Cell Fates Using Jak/Stat Inhibitors

Mitra Shourian, University of Montreal, Montreal, QC

- 1:14 - 1:26 PM

SPI-C is Dynamically Regulated By External Signals In B Cells

Hannah Raczkowski, Western University, London, ON

- 1:26 - 1:38 PM

Zika Virus Infection Induces Innate-Like CD8+ T Cells Capable Of Antigen-Independent Cytotoxicity

Elizabeth Balint, McMaster University, Hamilton, ON

- 1:38 - 1:50 PM

Anti-Sars-Cov-2 Antibody Responses In The Saliva Following Systemic Covid-19 Vaccination

Salma Sheikh-Mohamed, University of Toronto, Toronto, ON

- 1:50 - 2:02 PM

Microbiota-Independent Suppression Of CD8+ T Cell Activation By Antibiotics

Andrew Sharon, University of British Columbia, Vancouver, BC

- 2:02 - 2:14 PM

Single Cell Transcriptomics Reveals A Modular Macrophage Structure Conserved Across Organs And Species

Homaira Hamidzada, University of Toronto, Toronto ON

- 2:14 - 2:26 PM

The Indispensable Role Of The MYD88 Pathway On The Expression Of Nutrient Transporters On NK Cells During Murine Cytomegalovirus Infection

Abrar Ul Haq Khan, University of Ottawa, Ottawa, ON

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