



Not on Mute: Let's Talk Contemporary Pharmacology

June 8 - 11 | Online Scientific Meeting
Canadian Society of Pharmacology and Therapeutics

Pre-Conference Agenda

June 7, 2021	
12:00–12:30	CSPT 2020 Postdoctoral Award Address Dr. Qutuba Karwi, University of Alberta, <i>Cardiac Insulin Resistance in Heart Failure</i>
12:30–13:00	CSPT 2020 Distinguished Service and Education Award Address Dr. Kerry Goralski, Dalhousie University, <i>The CSPT: Reflections and Future Opportunities</i>
13:00–13:30	CSPT 2020 Clinical Fellowship Award Address Dr. Marc Chretien, Western University
13:30–14:00	CSPT 2020 Senior Investigator Award Address Dr. Anna Taddio, University of Toronto, <i>Journey for the Cure to the Common Needle</i>
14:00–14:30	CSPT 2020 Junior Investigator Award Address Dr. Rithwik Ramachandran, Western University, <i>Tethered Ligand activated G protein-coupled receptors: Mechanisms of activation and signaling</i>



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Conference Agenda

June 8, 2021	
14:00–14:10	Conference Welcome Address <ul style="list-style-type: none">• Dr. Kerry Goralski (Dalhousie University), President, CSPT
14:10–17:00	High Cost Drugs in Paediatrics Summit <p>14:10 Introduction Dr. Michael Rieder (Western University) and Attendees</p> <p>14:15 Opening Remarks Senator Moodie <i>Senator Moodie is a Senator and neonatologist as well as an Associate Professor in Paediatrics at the University of Toronto with a long standing interest in optimal therapy for children</i></p> <p>14:25 Drug Development and Future Trends in Pharmaceuticals Dr. Michael Rieder (Western University)</p> <p>14:40 High Cost Drugs and Clinically Relevant End-Points: Two Solitudes? Dr. Bruce Carleton (University of British Columbia)</p> <p>14:55 Summary of Key Stakeholders' Views <i>A brief presentation based on discussions prior to the summit</i> Dr. Michael Rieder (Western University)</p> <p>15:10 Stakeholder Group Open Discussion</p> <p>16:00 Stakeholder Group Discussion on Next Steps</p> <p>16:45 Summary of Discussion Dr. Bruce Carleton (University of British Columbia)</p> <p>16:55 Concluding Remarks and Directions Forward Dr. Michael Rieder (Western University) and Dr. Bruce Carleton (University of British Columbia)</p>



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June 9, 2021

11:00–11:10	Daily Conference Welcome Address <ul style="list-style-type: none">• Dr. Dylan Burger (University of Ottawa), Scientific Program Committee Co-chair, CSPT
11:10–13:00	Membrane Protein Pharmacology and Druggability: Basic Mechanisms and Clinical Relevance Moderator: Dr. Dylan Burger 11:10 Dr. Stephen Ferguson, University of Ottawa <ul style="list-style-type: none">○ Regulation of Metabotropic Glutamate Receptor Signaling: Role in Alzheimer's and Huntington's Diseases 12:00 Dr. Richard Kim, Western University <ul style="list-style-type: none">○ Liver specific organic anion and bile acid transporters: Relevance to statin response and chemotherapy 12:30 Dr. Maria Musgaard, University of Ottawa <ul style="list-style-type: none">○ Identifying arachidonic acid interaction sites for acid-sensing ion channels using MD Simulations
13:00–14:00	Lunch/Live sponsor showcase
14:00–16:00	COVID-19 Symposium Moderator: Dr. Antonios Diab (Dalhousie University) 14:00 Part I: COVID-19 Therapeutics <ul style="list-style-type: none">• Dr. Marceline Côté, University of Ottawa<ul style="list-style-type: none">○ Identification and inhibition of host proteases involved in SARS-CoV-2 Spike-mediated membrane fusion and infection• Dr. Jordan Feld, University Health Network<ul style="list-style-type: none">○ Peginterferon lambda for outpatients with COVID-19: A promising first step 15:00 Part II: Canadian COVID-19 Vaccine Developers' Panel <ul style="list-style-type: none">• Brad Sorensen, Founder and CEO, Providence Therapeutics• Dr. Roderick Slavcev, Founder and CTO, Mediphage Bioceuticals• Dr. Trina Racine, Associate Director - Vaccine Development, Vaccine and Infectious Disease Organization (VIDO)• Frederic "Fred" Ors, CEO, IMV Inc.
17:00–18:00	Pharmacology Kahoot Trivia!



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June 10, 2021

11:00–11:10	Daily Conference Welcome Address <ul style="list-style-type: none">• Dr. Bruce Carleton, University of British Columbia, President-Elect, CSPT
11:10–13:10	Top Ten Trainee Oral Presentations Moderator: Dr. Bruce Carleton, University of British Columbia 11:10 Antonios Diab, Dalhousie University A review of Health Canada authorized clinical drug and vaccine trials for COVID-19 treatment and prevention 11:22 Jafar Hasbullah, University of British Columbia Modulation of the retinoic acid pathway to reduce anthracycline-induced cardiotoxicity 11:34 José Juárez-Hernández, University of British Columbia Development of a pharmacokinetic-pharmacogenomic model to enhance morphine-based pain management in children 11:46 Jennifer Lin, University of British Columbia, Novel variant in glycoprotein c gene protects against ribavirin-induced anemia during chronic hepatitis C treatment. 11:58 Kirsten Meyer, University of Toronto Enhanced killing of in vitro Staphylococcus aureus biofilms by periodic dosing of oxacillin 12:10 Kateryna Petrykey, Université de Montréal Influence of genetic factors on long-term treatment-related cardiovascular complications in survivors of childhood acute lymphoblastic leukemia: The Petale study. 12:22 Alice Servonnet, Université de Montréal Relationship between supersensitivity to dopamine stimulation evoked by chronic antipsychotic exposure and stress-like responses in rats 12:34 Angela Siemens, University of British Columbia Development of a dose-adjusted polygenic risk-model for anthracycline-induced cardiotoxicity 12:46 Pierre Thibeault, Western University / University of Toronto Regulatory and signalling roles for Helix-8 and C-terminal tail residues in the thrombin-activated GPCR, Proteinase Activated Receptor 4 (PAR4) 12:58 Brent Tschirhart, Western University Effects of annexin A5 on endothelial inflammation induced by lipopolysaccharide-activated platelets and microparticles



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13:10–14:00	Lunch/Live showcase from sponsors
14:00–14:30	Recorded Poster Presentations Q&A Group 1 – 30 minutes
14:30–15:00	Recorded Poster Presentations Q&A Group 2– 30 minutes
15:00–16:00	<p>Practical Pharmacology Moderator: Dr. Steven Gryn, Western University</p> <ul style="list-style-type: none">• Dr. Wan-Chun (Kathy) Chang, University of British Columbia Too many drug allergies! Which ones are “real?”• Dr. Gavasker Sivaskandarajah, Western University Clinical challenges of pharmacogenomic testing• Dr. Alya Kamani, Sunnybrook Health Sciences Centre 'Rubber Gone Wrong': Occupational health hazards during a pandemic• Dr. James Jae, Western University A case of lethal colchicine toxicity
17:00–18:00	<p>Career Networking Event</p> <ul style="list-style-type: none">• Heather Blundon, MSc Pharmaceutical Sciences, Scientific Evaluator, Health Canada• Ketul Chaudhary, PhD Cardiovascular Pharmacology, Assistant Professor, Dalhousie University• Katherine Lee, PhD Pharmacology and Toxicology, Consultant - Life Sciences , LEK Consulting• Nicolas Pineault, PhD Genetics, Scientist, Canadian Blood Services• Patrick Stockwell, MSc Physiology and Pharmacology, Director, Science & Regulatory, Klick Health• Ryan Takahashi, PhD Pharmaceutical Sciences, Principal Scientist, Denali Therapeutics



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June 11, 2021

11:00–11:10	Daily Conference Welcome Address Dr. Thomas Velenosi, NIH, Scientific Program Committee Co-chair, CSPT
11:10–13:00	Cancer Pharmacology – Developing Next-Generation Therapeutics Moderator: Dr. Thomas Velenosi, NIH 11:10 Dr. Lilian Siu, University Health Network <ul style="list-style-type: none">o Clinical Applications of Liquid Biopsies for Monitoring of Disease and Response to Therapy 12:00 Dr. Jody Haigh, University of Manitoba <ul style="list-style-type: none">o Role of Zeb proteins in hematopoiesis and leukemic transformation 12:30 Dr. Amit Bhavsar, University of Alberta <ul style="list-style-type: none">o Identifying Toll-like receptor 4 as a therapeutic target to mitigate cisplatin-induced hearing loss
13:00–14:00	Lunch/Live showcase from sponsors
14:00–15:00	Pharmacology Education Workshop: Course Design with Students in Mind – Encouraging Learner Success in Pharmacology Moderators: Dr. Fabiana Crowley (Western University) and Dr. Cindy Woodland (University of Toronto) 14:00 Virtual Lab <ul style="list-style-type: none">o Dr. Angela Beye, Western Universityo Dr. Anita Woods, Western Universityo Tom Stavray, Western University 14:30 Engaging Graduate Students Through the Application of Pharmacology <ul style="list-style-type: none">o Dr. Cindy Woodland, University of Toronto 14:50 Discussion
15:00 – Conclusion	CSPT AGM, CJPP Presentation, Awards Session and Closing Remarks

