

CSPT 2019 Annual Conference
From Base to Summit: Pharmacology at its Peak

Wednesday, June 12, 2019

07:00 to 15:30	Registration Desk Open
07:30 to 08:15	Breakfast (HRIC Atrium)
08:30 to 17:30	Posters and Exhibits Open
08:20 to 08:30	Conference Welcome Address (Theatre 4)
08:30 to 10:00	<p>The Ontogeny of Drug Metabolism and Pharmacokinetics: Basic Mechanisms and Clinical Implications (Theatre 4)</p> <p>Moderator: Abby Collier (University of British Columbia)</p> <ul style="list-style-type: none"> • <i>Saskia de Wildt (Radboud University)</i> – Safe and effective drug use in children • <i>Lauren Aleksunes (Rutgers University)</i> – Transporters as regulators of <i>in utero</i> xenobiotic exposure and placental health
10:00 to 10:30	Break, Poster Viewing, Exhibits (HRIC Atrium)
10:30 to 12:00	<p>The Ontogeny of Drug Metabolism and Pharmacokinetics: Basic Mechanisms and Clinical Implications</p> <p>Basic Track (Theatre 4)</p> <p>Moderator: Abby Collier (University of British Columbia)</p> <ul style="list-style-type: none"> • <i>Ryan Takahashi (Genentech)</i> – <i>In vitro</i> approaches to pediatric DM assessment and prediction • <i>Micheline Piquette-Miller (University of Toronto)</i> – The role of placental transporters and their regulation • <i>Abby Collier (University of British Columbia)</i> – The ontogeny of conjugation enzymes: Differential physiology and pharmacology in human and non-human models <p>Clinical Track (Theatre 3)</p> <p>Moderator: Thomas Velonosi (National Institutes of Health)</p> <ul style="list-style-type: none"> • <i>Michael Rieder (Western University)</i> – Drug transporters in paediatrics : Clinical implications • <i>Colin Ross (University of British Columbia)</i> – Paediatric adverse reactions in oncology • <i>David Johnson (University of Calgary)</i> – Pediatric toxicology: Overdose in toddlers and children
12:00 to 13:30	Lunch, Poster Viewing, Exhibits (HRIC Atrium)
12:30 to 13:30	Poster Judging (Odd numbered posters)
13:30 to 14:00	<p>Senior Investigator Award Lecture</p> <ul style="list-style-type: none"> • <i>Peter Chidiac (Western University)</i> – What does concentration dependence depend on?
14:00 to 15:30	<p>Pain and Inflammation: Basic Mechanisms and Clinical Management (Theatre 4)</p> <p>Moderator: Tuan Trang (University of Calgary)</p> <ul style="list-style-type: none"> • <i>Isaac Chiu (Harvard University)</i> – Pain and neuro-immune interactions in bacterial host defense • <i>Luda Diatchenko (McGill University)</i> – Understanding chronic pain through genomics and transcriptomics: Focus on inflammation
15:30 to 16:00	Break, Poster Viewing, Exhibits (HRIC Atrium)
16:00 to 17:30	<p>Pain and Inflammation</p> <p>Basic Track (Theatre 4)</p> <p>Moderator: Tuan Trang (University of Calgary)</p> <ul style="list-style-type: none"> • <i>Gerald Zamponi (University of Calgary)</i> – A brain circuit for neuropathic pain • <i>Anna Taylor (University of Alberta)</i> – Gut dysbiosis contributes to neuroimmune mechanisms driving pain and negative affect in opioid withdrawal • <i>Mike Hildebrand (Carleton University)</i> – Determinants of spinal cord hyperexcitability: From rodent to human models of chronic pain

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	<p>Clinical Track (Theatre 3)</p> <p><u>Moderator:</u> P. Timothy Pollak (University of Calgary)</p> <ul style="list-style-type: none"> • <i>Mark Swain (University of Calgary)</i> – Clinical implications of brain-liver inflammation cross-talk • <i>Edward Morgan (Emory University)</i> – Modulation of drug metabolism during inflammation: Clinical relevance and mechanisms • <i>Adrienne Lindblad (University of Alberta; ACFP)</i> – Is it high time for medical cannabinoids? Double-ous evidence or smokin' results?
18:00 to 19:30	CSPT President's Welcome Reception (Senate Room, 7 th Floor, Hotel Alma, Main Campus)
19:30 to 21:30	CSPT Executive Committee Meeting (Offsite)

Thursday, June 13, 2019

07:00 to 15:30	Registration Desk Open
07:30 to 08:15	Breakfast (HRIC Atrium)
08:20 to 08:30	Opening Remarks
08:30 to 17:30	Posters and Exhibits Open
08:30 to 10:00	<p>Clinical Toxicology (Theatre 4)</p> <p><u>Moderator:</u> Cindy Woodland (University of Toronto)</p> <ul style="list-style-type: none"> • <i>Scott Lucyk (University of Calgary)</i> – Emerging recreational drugs of abuse: Pearls and pitfalls Discussion of clinical management of recreational drug toxicities • <i>Mark Yarema (University of Calgary)</i> – Acetaminophen poisoning: Old dog, new tricks Discussion of clinical management of acetaminophen overdose <p>Ion Channel Pharmacology (Theatre 3)</p> <p><u>Moderator:</u> Donald Miller (University of Manitoba)</p> <ul style="list-style-type: none"> • <i>Michael Jackson (University of Manitoba)</i> – TRPM2 channels expressed in microglia links elevated glutamate signalling in Alzheimer's to inflammation • <i>Harley Kurata (University of Alberta)</i> – Varied mechanisms and sites of action of anti-epileptic potassium channel activator compounds • <i>Christophe Altier (University of Calgary)</i> – Transient receptor potential channels in peripheral sensitization
10:00 to 10:30	Break, Poster Viewing, Exhibits (HRIC Atrium)
10:30 to 12:00	<p>Practical Pharmacology (Theatre 4)</p> <p><u>Moderator:</u> George Dresser (Western University)</p> <ul style="list-style-type: none"> • <i>Ryan Chuang (University of Calgary)</i> – Beware the OTC: Looking beyond Rx medications • <i>Kathryn Watson (University of Calgary)</i> – Chasing amiodarone pharmacokinetics • <i>George Dresser (Western University)</i> – The ups and downs of off label anticoagulant dosing • <i>Michael Rieder (Western University)</i> – Toxicity of high dose methotrexate • <i>Reo Tanoshima (University of British Columbia)</i> – Defining cancer drug nonadherence: The unwillingness or inability of a patient to meet the doctor's objective
12:00 to 13:30	Lunch, Poster Viewing, Exhibits (HRIC Atrium)
12:30 to 13:30	Poster Judging (Even numbered posters)
13:30 to 14:00	<p>Postdoctoral Award Lecture (Theatre 4)</p> <ul style="list-style-type: none"> • <i>Britt Drögemöller (University of British Columbia)</i> – Uncovering the genetics of severe adverse drug reactions to chemotherapy
14:00 to 16:00	Trainee 10-minute Oral Platform Presentations (Theatre 4)

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17:00 to 22:30	<p>CSPT Annual Dinner in Kananaskis at Boundary Ranch</p> <p>Bus leaves from Hotel Alma at 17:00 pm; Dinner at 19:00 pm; Bus returns at 21:00 pm</p>
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Friday, June 14, 2019

8:00 to 9:00	<p>Breakfast (HRIC Atrium)</p> <p>CSPT Annual General Meeting and Presentation of Trainee Podium and Poster Awards</p>
9:00 to 9:30	<p>Junior Investigator Award Lecture (Theatre 4)</p> <ul style="list-style-type: none"> • <i>Peter B. Stathopoulos (Western University)</i> – Regulation of stromal interaction molecule function by post-translational modifications
9:30 to 10:15	<p>Diabetes and Vascular Disease: Targeting the Endothelium (Theatre 4)</p> <p><u>Moderators:</u> Christopher Triggie (Weill Cornell Medicine, Qatar) / Morley Hollenberg (University of Calgary)</p> <ul style="list-style-type: none"> • <i>Christopher Triggie (Weill Cornell Medicine, Qatar)</i> – Why the endothelium? • <i>Todd Anderson (University of Calgary)</i> – The clinical implications of endothelial function in humans
10:15 to 10:30	Break
10:30 to 12:00	<p>Diabetes and Vascular Disease: Targeting the Endothelium (Theatre 4)</p> <p><u>Moderators:</u> Christopher Triggie / Morley Hollenberg</p> <ul style="list-style-type: none"> • <i>Frances Plane (University of Alberta)</i> – Calcium activated potassium channels (KCa) channels as targets to improve endothelial function • <i>Rithwik Ramachandran (Western University)</i> – Proteinases, signal transduction and vascular disease: Exploring signaling bias in PAR4 to develop novel anti-platelet drugs • <i>Vivek Krishna Pulakazhi Venu (University of Calgary)</i> – Hyperglycaemic impairment of Par2-mediated vasodilatation: Prevention by inhibition of SGLT2 and minimizing mitochondrial dysfunction
12:00 to 12:15	Closing Remarks