

# From Base to Summit: Pharmacology at its Peak

Conference Agenda: Updated March 11, 2019

Wednesday, June 12, 2019					
07:00 to 15:30	Registration Desk Open				
07:30 to 08:30	Breakfast				
08:30 to 17:30	Posters and Exhibits Open				
08:30 to 08:40	Conference Welcome Address				
08:40 to 10:00	<p><b>The Ontogeny of Drug Metabolism and Pharmacokinetics: Basic Mechanisms and Clinical Implications</b></p> <p><u>Moderator:</u> Dr. Abby Collier (University of British Columbia)</p> <ul style="list-style-type: none"> <li>• <i>Saskia N de Wildt (Radboud University)</i> – Safe and Effective Drug Use in Children</li> <li>• <i>Lauren Aleksunes (Rutgers University)</i> – Developmental regulation of transporters</li> </ul>				
10:00 to 10:30	Break, Poster Viewing, Exhibits				
10:30 to 12:00	<p><b>The Ontogeny of Drug Metabolism and Pharmacokinetics: Basic Mechanisms and Clinical Implications</b></p> <table border="1"> <thead> <tr> <th>BASIC TRACK</th> <th>CLINICAL TRACK</th> </tr> </thead> <tbody> <tr> <td> <p><u>Moderator:</u> Abby Collier (University of British Columbia)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Ryan Takahashi (Genentech)</i> - <i>in vitro</i> approaches to pediatric DM assessment and prediction</li> <li>• <i>Micheline Piquette-Miller (University of Toronto)</i> - Developmental pharmacology: pregnancy and the placenta</li> <li>• <i>Abby Collier (University of British Columbia)</i> - interspecies models for DM/PK in pregnancy and paediatrics</li> </ul> </td> <td> <p><u>Moderator:</u> Thomas Velonosi (National Institutes of Health)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Michael Rieder (University of Western Ontario)</i> - Transporters and clinical outcomes in children</li> <li>• <i>Colin Ross (University of British Columbia)</i> - Paediatric adverse reactions in oncology</li> <li>• <i>David Johnson (University of Calgary)</i> - Pediatric toxicology: overdose in toddlers and children</li> </ul> </td> </tr> </tbody> </table>	BASIC TRACK	CLINICAL TRACK	<p><u>Moderator:</u> Abby Collier (University of British Columbia)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Ryan Takahashi (Genentech)</i> - <i>in vitro</i> approaches to pediatric DM assessment and prediction</li> <li>• <i>Micheline Piquette-Miller (University of Toronto)</i> - Developmental pharmacology: pregnancy and the placenta</li> <li>• <i>Abby Collier (University of British Columbia)</i> - interspecies models for DM/PK in pregnancy and paediatrics</li> </ul>	<p><u>Moderator:</u> Thomas Velonosi (National Institutes of Health)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Michael Rieder (University of Western Ontario)</i> - Transporters and clinical outcomes in children</li> <li>• <i>Colin Ross (University of British Columbia)</i> - Paediatric adverse reactions in oncology</li> <li>• <i>David Johnson (University of Calgary)</i> - Pediatric toxicology: overdose in toddlers and children</li> </ul>
BASIC TRACK	CLINICAL TRACK				
<p><u>Moderator:</u> Abby Collier (University of British Columbia)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Ryan Takahashi (Genentech)</i> - <i>in vitro</i> approaches to pediatric DM assessment and prediction</li> <li>• <i>Micheline Piquette-Miller (University of Toronto)</i> - Developmental pharmacology: pregnancy and the placenta</li> <li>• <i>Abby Collier (University of British Columbia)</i> - interspecies models for DM/PK in pregnancy and paediatrics</li> </ul>	<p><u>Moderator:</u> Thomas Velonosi (National Institutes of Health)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Michael Rieder (University of Western Ontario)</i> - Transporters and clinical outcomes in children</li> <li>• <i>Colin Ross (University of British Columbia)</i> - Paediatric adverse reactions in oncology</li> <li>• <i>David Johnson (University of Calgary)</i> - Pediatric toxicology: overdose in toddlers and children</li> </ul>				
12:00 to 13:00	Lunch, Poster Viewing, Exhibits				
13:00-13:30	Award Presentation				
13:30 to 15:00	<p><b>Pain and Inflammation: Basic Mechanisms and Clinical Management</b></p> <p><u>Moderator:</u> Tuan Trang (University of Calgary)</p> <ul style="list-style-type: none"> <li>• <i>Isaac Chiu (Harvard University)</i>- Neuro-immune interactions in host defense and inflammation</li> <li>• <i>Luda Diatchenko (McGill University)</i> – Genetic pathways that mediate pain states</li> </ul>				

## From Base to Summit: Pharmacology at its Peak

15:00 to 15:30	Break, Poster Viewing, Exhibits	
15:30 to 17:00	<b>Pain and Inflammation</b>	
	<p><b>BASIC TRACK</b></p> <p><u>Moderator:</u> Tuan Trang (<i>University of Calgary</i>)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Gerald Zamponi (University of Calgary)</i>- A brain circuit for neuropathic pain</li> <li>• <i>Anna Taylor (University of Alberta)</i> - Gut microbiome and neuro-immune interactions in pain and analgesia</li> <li>• <i>Mike Hildebrand (Carleton University)</i> - Determinants of spinal cord hyperexcitability: from rodent to human models of chronic pain</li> </ul>	<p><b>CLINICAL TRACK</b></p> <p><u>Moderator:</u>—A. Cribb or T. Pollak (tentative)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Mark Swain (University of Calgary)</i> - Clinical implications of brain-liver inflammation cross-talk</li> <li>• <i>E.T. Morgan (Emory University)</i>- Clinical relevance of drug metabolism-inflammation interactions</li> <li>• <i>Adrienne Lindblad (University of Alberta; ACFP)</i> - Evidence-based use of cannabinoids</li> </ul>
18:00 to 19:30	<p><b>Welcome Reception.</b></p> <p>Senate Room, Hotel Alma</p>	

### Thursday, June 13, 2019

07:00 to 15:30	Registration Desk Open	
07:30 to 08:20	Breakfast	
08:20 to 08:30	Opening Remarks	
08:30 to 17:30	Posters and Exhibits Open	
08:30 to 10:00	<p><b>Clinical Toxicology I</b></p> <p><u>Moderator:</u> Cindy Woodland (University of Toronto)</p> <ul style="list-style-type: none"> <li>• <i>Scott Lucyk, University of Calgary</i> – Emerging Recreational Drugs of Abuse: Pearls and Pitfalls</li> <li>• <i>Mark Yarema, University of Calgary</i> – Acetaminophen Poisoning: Old Dog, New Tricks</li> </ul>	<p><b>Ion Channel Pharmacology</b></p> <p><u>Moderator:</u> Don Miller (University of Manitoba)</p> <p><u>Presentations:</u></p> <ul style="list-style-type: none"> <li>• <i>Michael Jackson (University of Manitoba)</i> – Calcium channels in neurodegenerative disease</li> <li>• <i>Harley Kurata (University of Alberta)</i> – Potassium channels in epilepsy</li> <li>• <i>Christophe Altier (University of Calgary)</i> – Transient receptor potential channels in peripheral sensitization</li> </ul>

## From Base to Summit: Pharmacology at its Peak

10:00 to 10:30	Break, Poster Viewing, Exhibits	
10:30 to 12:00	<b>Practical Pharmacology</b> <u>Moderator:</u> George Dresser (University of Western Ontario) <ul style="list-style-type: none"> <li>• 5 interesting and challenging clinical pharmacology case presentations from across Canada</li> </ul>	
12:00 to 13:00	Lunch, Poster Viewing, Exhibits	
13:00 to 14:00	Poster Judging	
14:00 to 16:00	<b>PDF and Clinical Residency Award Presentations</b> <b>Trainee 10-minute Oral Platform Presentations</b> The top-10 rated trainee abstracts will be selected to deliver 10-minute oral presentations.	
17:00 to 22:30	<b>CSPT Annual Dinner in Kananaskis at the Boundary Ranch: a dinner in the foothills of the Rocky Mountains.</b>  Bus leaves at 5:00 pm Dinner at 7:00 pm Bus returns at 9:00 pm	

### Friday, June 14, 2019

08:00 to 09:00	<b>CSPT Annual General Meeting and Breakfast</b> Award Presentations	
09:00 to 9:45	<b>Diabetes and Vascular Disease: Targeting the endothelium</b> <u>Moderators:</u> Christopher Triggler / Morley Hollenberg <ul style="list-style-type: none"> <li>• Christopher Triggler (Weill Cornell Medicine, Qatar) – Why the endothelium?</li> <li>• Todd Anderson (University of Calgary) – Endothelial dysfunction and vascular disease: Where are we in the clinic?</li> </ul>	
9:45 to 10:00	Morning Break	
10:00 to 11:30	<b>Diabetes and Vascular Disease: Targeting the endothelium</b> <ul style="list-style-type: none"> <li>• Frances Plane (University of Alberta) – Diabetes and endothelium: Targeting potassium channels and ROS production</li> <li>• Rithwik Ramachandran (University of Western Ontario) –Proteinases, signal transduction and vascular disease</li> <li>• Vivek Krishna Pulakazhi Venu (University of Calgary) – Inhibiting SGLT2 corrects hyperglycemia-induced endothelial dysfunction</li> </ul>	
11:30 to 12:15	Award Presentation / Trainee Awards	
12:15	Closing Remarks	

## **From Base to Summit: Pharmacology at its Peak**