



Isaiah Tubbs Hotel, 1642 County Rd 12, Prince Edward, ON K0K 2T0  
**September 28- October 1, 2023**

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| Thursday,<br>Sept 28th  | <b>1-4pm</b>       | <b>CIHR-ICRH<br/>           Early Career Investigator Symposium</b><br>Chairs: Nadya Morrow, Cameron Stotts, Thomas Laval<br>Roundtable discussions and networking with scientists across academia, private/non-profit and government sectors. No sign up required!         |
|   | 4-5pm              | CLC Business meeting  |
|   | 5-6:30pm           | Dinner  |
|   | <b>6:30-8:30pm</b> | <b>Session 1</b><br>Chairs: Katey Rayner, Erin Mulvihill, Mireille Ouimet   |
|   | 6:30-6:45          | <b>Opening welcome</b>  |
|   | 6:45-7:30pm        | <b>CIHR-ICRH/CSATVB Mid-Career Excellence Award in Blood and Blood Vessel Research</b><br>Dr. Katey Rayner<br>University of Ottawa Heart Institute<br><i>"Lipids and inflammatory cells: the vessel wall sees it all"</i>   |
|   | 7:30-8:30pm        | <b>Oral abstract presentations</b> (10min + 5 min Q)<br>Jonathan O'Conner<br>PhD student (McGill University)<br><i>D-Mannose Supplementation Attenuates Atherosclerotic Lesions in High Fat Diet Fed ApoE<sup>-/-</sup> Mice: Implications of Gut Microbiota Modulation</i> |
|   |                    | Boyan Vasilev<br>Master's student (University of Alberta)<br><i>Membrane-Impermeable Glucocorticoids Act on Membrane-Associated Receptors in the Nucleus of the Solitary Tract to Affect Hepatic VLDL-TG Secretion</i>  |
|   |                    | JP Kennelly<br>Postdoctoral fellow (UCLA)<br><i>Accessible cholesterol transport by Aster proteins in the endothelium</i>   |
| Maria Elishaev<br>PhD student (University of British Columbia)<br><i>Using a novel multiplex imaging platform to visualize inflammation and cell death in early human atherosclerotic lesions</i> |                    |   |
| 9pm   | Beach bonfire!     |   |
| Friday,<br>Sept 29th  | 7:30-8:30am        | Breakfast   |
|   | <b>8:30-10am</b>   | <b>Session 2</b><br>Chairs: Angela Devlin, Bernado Trigatti   |
|   | 8:30-9:15am        | <b>2023 CIHR-ICRH Distinguished Lecturer/CSATVB Scientific Excellence Award in Blood and Blood Vessel Sciences</b><br>Dr. Jacqueline Saw  |



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|                   |  | Vancouver General Hospital, St. Paul's Hospital<br>University of British Columbia<br><i>"The journey uncovering SCAD"</i>  |
| 9:15-10am         |  | <b>Oral abstract presentations (10min + 5 min Q)</b>   |
|                   |  | Ryan Appings (University of Toronto)<br>Master's student<br><i>Using balloon catheters to deliver peptide coated nanoparticles as a therapy for restenosis</i>   |
|                   |  | Thomas Laval (University of Ottawa Heart Institute)<br>Postdoctoral fellow<br><i>Enhancing Lipophagy Promotes Macrophage Foam Cell Metabolism</i>  |
|                   |  | Nadya M. Morrow<br>PhD student (University of Ottawa Heart Institute)<br><i>Glucagon-like peptide 1 and 2 double receptor knockout (GLPDRKO) mice have higher post-prandial lipids and glucose in a sex- and meal-dependent manner</i> |
| 10-10:30am        |  | Break + Group Picture!   |
| <b>10:30-12pm</b> |  | <b>Session 3</b><br>Chairs: Gordon Francis, Jessica Yue  |
| 10:30-11:15       |  | <b>Stewart Whitman Lecture</b><br>Dr. Ying Wang<br>University of British Columbia<br><i>"Endotyping atherosclerosis to improve treatment outcomes of anti-inflammatory therapies"</i>  |
| 11:15-12pm        |  | <b>Oral abstract presentations (10min + 5 min Q)</b>   |
|                   |  | Suha Jarad<br>PhD student (University of Alberta)<br><i>The Role of Vascular Smooth Muscle Cell (VSMC) MMP14 in The Development of Atherosclerosis</i>   |
|                   |  | Sophie Grapentine<br>Postdoctoral fellow (University of Guelph)<br><i>Regulatory function of Pcyt2 in skeletal muscle</i>  |
|                   |  | Cassandra A. A. Locatelli<br>PhD student (University of Ottawa Heart Institute)<br><i>Ketogenic Diet Intervention Improves Liver Steatosis, Alters Aortic Inflammation, and Slows Atherosclerosis Progression in Obese Male Mice</i>   |
| 12-1pm            |  | Lunch  |
| 12-1pm            |  | CSATVB Executive Meeting (by invitation only)  |
| <b>1-3pm</b>      |  | <b>Session 4</b><br>Chairs: Richard Lehner, Michelle Bendeck   |
| 1-2pm             |  | <b>Rubenstein lecture</b><br>Dr. Frederick Maxfield<br>Vladimir Horowitz and Wanda Toscanini Horowitz Professor  |



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|  |                     | Weill Cornell Medical College<br><i>"Extracellular digestion of vascular LDL deposits by macrophages leads to foam cell formation"</i>   |
|  | 2-3pm               | <b>Oral abstract presentations</b> (10min + 5 min Q)<br>Jasmine Phenix<br>PhD student (McGill University)<br><i>CETP inhibitor evacetrapib maintains cognition in Alzheimer's disease mouse model</i><br>Courtney Holdaway<br>Master's student (University of Alberta)<br><i>Alterations in Phosphatidylethanolamine Metabolism and Associated Impacts on Liver Health and Disease</i><br>Justin Clark<br>PhD student (Western University)<br><i>Novel insights into antifibrinolytic and prothrombotic functions of lipoprotein(a)</i><br>Cameron Stotts<br>PhD student (University of Ottawa Heart Institute)<br><i>Pneumonia induces long-term changes in immune cells in atherosclerosis</i> |
|  | 3-3:45pm            | <b>Jean Davignon Lecture</b><br>Dr. Myron Cybulsky<br>University of Toronto<br><i>"Sources of inflammatory mediators in early stages of atherosclerosis"</i>   |
|  | 4-5:30pm            | <b>Poster session #1</b>   |
|  | 5:30-9pm            | <b>Free time</b><br>Trainee social on the beach with activities and snacks.<br><br>Wine tour, sign up here: <a href="https://forms.gle/zZfLgFbRUrwjvFw8">https://forms.gle/zZfLgFbRUrwjvFw8</a><br><br>Trainees are welcome to choose either activity!   |
|  | 9pm                 | Beach bonfire!   |
|  | Saturday, Sept 30th | 7:30-8:30am  |
|  | <b>8:30-10am</b>    | <b>Session 5</b><br>Chairs: Carolyn Cummins, Warren Lee  |
|  | 8:30-9:15am         | <b>Physician Scientist Lecture</b><br>Dr. Kathryn Howe<br>University of Toronto<br><i>"Key players live at interfaces - new understanding of endothelial cell roles in vascular health and disease"</i>  |
|  | 9:15-10am           | <b>Oral abstract presentations</b> (10min + 5 min Q)<br>Jonathan Ma<br>Postdoctoral fellow (Weill Cornell Medical College)   |



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|  |                      | <i>Proinflammatory macrophages are better at clearing aggregated LDL and are more prone to foam cell formation</i>   |
|  |                      | Pinhao Xiang<br>PhD student (University of British Columbia)<br><i>Understanding macrophage-smooth muscle cell interactions promoting foam cell development in atherosclerosis</i>   |
|  |                      | Arlette A. Kasongo<br>MSc student (University of Ottawa Heart Institute)<br><i>Brain-specific deletion of Oxysterol-Binding Protein-Related Protein (ORP) 6 regulates whole-body lipid metabolism, brain amyloid beta deposition and memory.</i> |
|  | 10-10:30am           | Break  |
|  | <b>10:30-12:30pm</b> | <b>Session 6</b><br>Rene Jacobs, Stephanie Lehoux  |
|  | 10:30-11:15          | <b>Simon Pierre Noel Lecture</b><br>Dr. Thomas Lagace<br>University of Ottawa Heart Institute<br><i>"PCSK9 at the Crossroads of Lipoprotein Metabolism and Inflammation"</i>   |
|  | 11:15-12:30          | <b>Oral abstract presentations (10min + 5 min Q)</b>   |
|  |                      | J. David Spence (Western University)<br><i>Association of carotid atherosclerosis with LDL-C calculated by the Friedewald vs. Martin-Hopkins formula</i>   |
|  |                      | Kundanika Mukherjee<br>PhD student (University of Saskatchewan)<br><i>Disruption of the Gut-Brain Neural Pathway Attenuates the Release of Intestinal Lipid Stores by GLP-2</i>  |
|  |                      | Christopher Yuen<br>PhD student (University of British Columbia)<br>Early endothelial function activation by angiotensin II receptor blockers prevents vascular damage in diabetes   |
|  |                      | Andria Henry<br>PhD student (University of Toronto)<br><i>Isoform-specific effect of Liver X Receptors on Low Density Lipoprotein Transcytosis</i>   |
|  |                      | Gala Araujo<br>MSc student (University of Alberta)<br><i>Immunogenicity of novel variants of the chimeric chP3R99 antiatherogenic antibody in insulin-resistant rats and swine.</i>  |
|  | 12:30-1:30           | <i>CSATVB Annual General Meeting</i><br>(all are welcome to attend)  |
|  | 1:30-4:30            | <b>Free time</b>   |



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|                    | 4:30-6pm         | <b>Poster session #2</b> |
|                    | 6pm              | <b>Dinner + Dancing!</b> |
| Sunday,<br>Oct 1st | <b>Departure</b> |                          |

Thank you to our sponsors for their support the activities of this meeting!

