



# ALBERTA SOCIETY OF CLINICAL CHEMISTS

ASCC Annual General Meeting

October 14-15, 2022

Forest Park Hotel (formerly Sawridge Inn), Jasper, AB

Masking policy: masks are optional but highly recommended

## ***Celebrating history-making science in Alberta: The 50<sup>th</sup> Anniversary of the ASCC***

### **Friday 14 October, 2022**

9:00 – 11:00 pm	Opening drop-in mixer (Executive Suite, Room 380)
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### **Saturday 15 October, 2022** (Sawridge Ballroom in lower level)

7:00 – 7:55 am	Registration and Breakfast
7:55 – 8:00 am	Welcome & Land Acknowledgement
8:00 – 9:00 am	<p><b><u>Keynote Speaker:</u> Sir Michael Houghton, 2020 Nobel Laureate in Medicine, Director &amp; Professor, Li Ka Shing Applied Virology Institute, Faculty of Medicine &amp; Dentistry, University of Alberta</b></p> <p><i>“Eliminating hepatitis C as a major public health threat” (virtual presentation)</i></p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"><li>1. Describe important virus discovery methods.</li><li>2. Understand Hepatitis C Virus Diagnostic test development (EIA &amp; NAT).</li><li>3. Describe HCV vaccine discovery and the path forward to obtaining regulatory approval.</li></ol>
9:00 – 9:40 am	<p><b>Dr. Dave Kinniburgh, Director, Alberta Centre for Toxicology; Clinical Professor, Department of Laboratory Medicine and Pathology, University of Alberta; Adjunct Associate Professor, Department of Physiology and Pharmacology, Cumming School of Medicine, University of Calgary</b></p> <p><i>“50 years with the ASCC – a personal perspective”</i></p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"><li>1. Appreciate the significant advances in clinical chemistry over the past 50 years.</li><li>2. Recognize the increased role of clinical chemists over the past 50 years.</li></ol>
9:40 – 9:55 am	<p><b>Trainee Presentation #1: Dr. Sally Ezra, Junior Clinical Biochemistry Post-doctoral Fellow, University of Calgary and Alberta Precision Laboratories</b></p> <p><i>“Can we transfer Insulin-Like Growth Factor 1 Reference Interval between Mass Spectrometry Assays with different Traceability?”</i></p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"><li>1. Describe the pathophysiology of insulin-like growth factor 1 (IGF-1).</li><li>2. Discuss the pitfalls in IGF-1 measurements.</li><li>3. Explain how the agreement between two LC-MS/MS assays with different traceability enables the transference of IGF-1 Reference interval.</li></ol>
9:55 – 10:10 am	<p><b>Trainee Presentation #2: Dr. Michael Reid, Senior Clinical Biochemistry Post-doctoral Fellow, University of Calgary and Alberta Precision Laboratories</b></p>

	<p>“Evaluation of the stability of fecal immunochemical test specimens”</p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe the utility of FIT screening programs.</li> <li>2. Understand the importance of performing internal evaluations of FIT specimen stability.</li> <li>3. Describe strategies to reduce the rate of false negative FIT results.</li> </ol>
10:10 – 10:30 am	Coffee and snack break
10:30 – 11:30 am	<p><b>Dr. Todd Anderson, Dean and Professor, Cumming School of Medicine, Department of Cardiac Sciences, University of Calgary</b></p> <p><i>“Canadian Cardiovascular Society (CCS) Dyslipidemia guidelines: History and current recommendations” (virtual presentation)</i></p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand the Canadian Cardiovascular Society dyslipidemia guidelines history and process.</li> <li>2. Understand the role of the laboratory in risk assessment and treatment.</li> <li>3. Recognize novel aspects of the 2021 guidelines.</li> </ol>
11:30 am – 12:30 pm	<p><b>Dr. George Cembrowski, Professor, Department of Laboratory Medicine and Pathology, University of Alberta</b></p> <p><i>“Using big data to demonstrate inferiority/superiority (not equivalent) of comparative analytical methodologies”</i></p> <p>At the conclusion of this presentation, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Understand that virtually all blood tests demonstrate diurnal variation.</li> <li>2. Understand that for certain analytes, within day variation can exceed between day variation.</li> <li>3. Understand the average of deltas patient-based quality control.</li> <li>4. Understand that most non-hospitalists are clueless when interpreting within day test variation.</li> <li>5. Be aware of the future informatics needs in the clinical laboratory.</li> </ol>
12:30 – 5:00 pm	Afternoon on your own
5:00 – 5:45 pm	ASCC Business Meeting ( <i>ASCC members only</i> )
5:00 – 6:45 pm	Vendor exhibit viewing (open bar 5:45 – 6:45 pm)
6:30 – 8:00 pm	Dinner buffet & presentation of the ASCC Outstanding Contribution to Clinical Biochemistry Award
8:00 – 9:00 pm	<p><b>After-Dinner Speaker: Dr Greg Sivakoff, Associate Professor, Department of Physics, University of Alberta</b></p> <p><i>“New Golden Eyes for the Infrared Skies”</i></p> <p>The recently launched and commissioned NASA's James Webb Space Telescope is poised to transform our understanding of the near-infrared skies, and with it our understanding of the Universe. I'll discuss some of the key questions that Canadian and international astronomers hope to answer, on topics from stellar birth to stellar death, from our own solar system to the distant (early) Universe, and from planets to supermassive black holes.</p>
9:00 – 11:00 pm	After dinner mixer (Executive Suite, Room 380)

\*This event is an Accredited Group Learning Activity as defined by the CSCC/CACB Professional Development Program