



**ALBERTA SOCIETY
OF CLINICAL CHEMISTS**

ASCC Annual Conference
Friday, October 22, 2021
11:00 – 3:20 pm Mountain Time

To register and access the Zoom conference link click here:
<https://csc.ca/en/ascc-home.html>

Meeting ID: 813 9803 8236

The path forward for rural healthcare and laboratory testing

22 October, 2021 (All Times are in Mountain Time)

11:00 – 11:10	Welcome
11:10 – 11:20	Presentation of the 2021 ASCC Outstanding Contribution to Clinical Chemistry Award to Dr. Donald LeGatt
11:20 – 11:50	<p>Dr. Jessica Gifford, Ph.D., FCACB (Clinical Biochemist, Alberta Precision Laboratories; Clinical Assistant Professor, Department of Pathology and Laboratory Medicine, Cumming School of Medicine, University of Calgary)</p> <p>Improving an Access to Care Gap: Implementing high-sensitivity troponin in suburban and rural laboratories in Alberta</p> <p>At the conclusion of this session participants will be able to:</p> <ol style="list-style-type: none">1) Discuss the current landscape of troponin testing in Alberta.2) Discuss instrumentation options for high-sensitivity troponin testing in small(er) suburban/rural laboratories.3) Discuss availability of rule-in/out algorithms for these tests.4) Discuss challenges faced during the implementation of high-sensitivity troponin assays in suburban/rural laboratories.5) Discuss future directions for high-sensitivity troponin testing in Alberta.
11:50 – 12:20	<p>Dr. Anna Fuezery, Ph.D., DABCC, FCACB (Clinical Biochemist, Alberta Precision Laboratories; Clinical Associate Professor, Department of Pathology and Laboratory Medicine, University of Alberta)</p> <p>Emergency Medical Services for Rural Albertans</p> <p>At the conclusion of this session participants will be able to:</p> <ol style="list-style-type: none">1) Provide an overview of emergency medical services (EMS), including service delivery models utilized in urban and rural areas2) Describe EMS service delivery models available to rural residents of Alberta, including the role of point-of-care testing (POCT) in these models

	<p>3) Discuss the challenges associated with POCT in EMS care delivery, along with strategies that may be put in place to mitigate these challenges</p>
12:20 – 12:40	<p>Dr. Ashley Newbigging, Ph.D (Clinical Biochemistry Postdoctoral Fellow, University of Alberta)</p> <p>Ex vivo hemolysis: A case demonstrating mechanically-induced hemolysis from kinked hemodialysis lines</p> <p>At the conclusion of this session participants will be able to:</p> <ol style="list-style-type: none"> 1) Describe biochemical and hematological changes due to in vivo hemolytic processes and how they would differ from an in vitro hemolytic process. 2) Describe how kinked hemodialysis blood lines cause “ex vivo” hemolysis using a case report as an example. 3) Outline a pathway for laboratories to identify and manage specimens from kinked hemodialysis lines.
12:40 – 1:10	Break
1:10 – 1:30	<p>Dr. Cody Lewis, Ph.D (Clinical Biochemistry Postdoctoral Fellow, University of Calgary)</p> <p>Deriving provincial reference thyroid hormone intervals and reflex testing from “big data”</p> <p>At the conclusion of this session participants will be able to:</p> <ol style="list-style-type: none"> 1) Review the thyroid hormone axis 2) Explain how big data can be used to derive reference intervals for thyroid hormones 3) Described the role/value of reflexing testing in screening patients suspected of hypo- or hyperthyroidism
1:30 – 1:50	<p>Dr. Michael Reid, Ph.D (Clinical Biochemistry Postdoctoral Fellow, University of Calgary)</p> <p>Overview of Procalcitonin Testing in the Clinical Laboratory</p> <p>At the conclusion of this session participants will be able to:</p> <ol style="list-style-type: none"> 1) Describe the structure and synthesis of procalcitonin. 2) Explain the clinical uses of procalcitonin. 3) Discuss the current literature on the impact of procalcitonin testing. 4) Explain the positive and negative aspects of testing for procalcitonin in the clinical lab.
2:00 – 3:15 (20-25 min. are included here for Q&A and extended discussions)	<p>Dr. Roger Strasser, MD (Professor of Rural Health at the Te Huataki Waioira School of Health, University of Waikato, Hamilton, New Zealand)</p> <p>CSCC Travelling Lecture, sponsored by Bio-Rad</p> <p>The Future of Rural Health Care in Post-Pandemic Canada.</p> <p>At the conclusion of this session participants will be able to:</p> <ol style="list-style-type: none"> 1) Describe the challenges and opportunities of Rural Health Care in Canada.

	2) Present Canadian and global examples of innovations in Rural Health. 3) Outline opportunities for improving access to and quality of health care for Rural Canadians.
3:15 – 3:20	Closing remarks

“This event is an Accredited Group Learning Activity (Type I) as defined by the CSCC/CACB Professional Development Program”