



ALBERTA SOCIETY
OF CLINICAL CHEMISTS

2024 ASCC Annual General Meeting

Friday October 18, 2024

Virtual, Via Zoom

<https://ucalgary.zoom.us/j/92991019864?pwd=cfbS6WbEBsafxq6yQfbdtXV0DXEXil.1>

Meeting ID: 929 9101 9864

Passcode: 391416

PLEASE NOTE - ALL INDICATED TIMES ARE IN THE MOUNTAIN TIME ZONE

Autoimmune Testing and Disease: The State of the Art

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

Scientific Program

11:55 – 11:59 **Welcome**

12:00 – 12:59 **Keynote: “The Precision Autoimmunity Initiative: Biomarker Discoveries Powered by Artificial Intelligence”**

Dr. May Choi. MD. MPH. FRCPC.

*Associate Professor, Department of Medicine, Cumming School of Medicine, University of Calgary,
Full Member, McCaig Institute of Bone and Joint Health*

Associate Director of MitogenDx and translational research at Lupus Center of Excellence

At the conclusion of this session, participants will be able to:

- 1) Recognize how to enhance precision autoimmunity through biomarker discoveries
- 2) Understand the need to shift the care paradigm to disease prevention in autoimmune disease
- 3) Leverage artificial intelligence in big biomarker data analytics

13:00 – 13:59 **“Environmental Exposures Driving Rheumatoid Arthritis Development and Progression”**

Dr. Cheryl Barnabe. MD. MSc. FRCPC.

*Professor, Department of Medicine and Community Health Sciences, Cumming School of Medicine,
University of Calgary, Canada Research Chair in Rheumatoid Arthritis and Autoimmune Diseases,
Arthur J.E. Child Chair in Rheumatology Research, and Deputy Director of McCaig Institute for Bone
and Joint Health, University of Calgary*

At the conclusion of this session, participants will be able to:

- 1) Identify environmental factors associated with immune system alterations leading to the development of rheumatoid arthritis.
- 2) Understand environmental risks that determine rheumatoid arthritis outcomes.

14:00 – 14:29 **"Towards a Provincial Decision on a Urinalysis Reflex Testing Algorithm for Slightly Cloudy Urines: Are They Clinically Significant Or Not?"**

Dr. Fangzi Cai, PhD.

Clinical Biochemistry Fellow, Department of Pathology & Laboratory Medicine, University of Calgary.

"Evaluating the Clinical Utility of Urine hCG Testing in Community Laboratory Service in Alberta"

Dr. Sisu Han, PhD

Clinical Biochemistry Fellow, Department of Pathology & Laboratory Medicine, University of Calgary.

14:30 – 14:45 **Break**

14:45 – 15:44 **“Lupus in 2024: The Current State of the Art”**

Dr. Stephanie Keeling. MD. MSc. FRCPC.

Professor, Department of Medicine, University of Alberta, Medical Advisor on Alberta Arthritis Society

At the conclusion of this session, participants will be able to:

- 1) Understand how lupus is diagnosed including clinical features and investigations used.
- 2) Recognize the heterogeneity of lupus presentations and clinical serologic correlates that are seen.
- 3) Understand the treatment approaches to lupus including newest treatments for lupus.

15:45 – 16:45 **ASCC Business Meeting for ASCC Members Only**

16:46 **Meeting conclusion**

See you all in person in 2025 for the ASCC meeting in Jasper!