

## 2023-2024 PAST CHEMISTRY SEMINARS & EVENTS

Friday, September 15, 2023

**Dr. Kim Baines**  
**Department of Chemistry**  
**Western University**  
**London, ON**

*"Fun with Low Valent Si Compounds: Mechanistic Studies of the Activation of Ammonia by Disilenes"*

Friday, September 22, 2023

**Dr. Ryan MacDonell**  
**Department of Chemistry**  
**Dalhousie University**  
**Halifax, NS**

*"Not your regular computers: Simulating chemical dynamics with analog quantum simulators"*

Friday, October 6, 2023

**Dr. Nicoletta Faraone**  
**Department of Chemistry**  
**Acadia University**  
**Wolfville, NS**

*"Tick management and Natural Products: a new approach"*

Friday, October 13, 2023

**Dr. Todd Ventura**  
**Department of Geology**  
**Saint Mary's University**  
**Halifax, NS**

*"Environmental geochemistry of Scotian Slope surface sediments."*

Friday, October 20, 2023

**RESEARCH AT SMU CHEMISTRY**

**Saint Mary's University  
Department of Chemistry  
Halifax, NS**

Various SMU Chemistry faculty members presenting their research topics. Presenters:

- Dr. Jason Clyburne: *Curiouser and curiouser: Bonds made and bonds broken*
- Dr. Danielle Tokarz: *Laser Scanning Microscopy for Biomedical Applications*
- Dr. Jason Masuda: (TBA)
- Dr. Robert Singer: *The Odyssey - Ionic Liquids to Demethylations of Opiates*

Friday, October 27, 2023

**Dr. Gerrard (Gerry) Marangoni  
Department of Chemistry  
Saint Francis Xavier University  
Antigonish, NS**

*"Gemini Surfactants - Double Trouble for Old Formulations"*

Friday, November 3, 2023

**Dr. Ian Pottie  
Department of Chemistry & Physics  
Mount Saint Vincent University  
Halifax, NS**

*"Rethinking the development of imaging agents targeting butyrylcholinesterase"*

Friday, November 17, 2023

**Dr. Christopher (Chris) Bauer  
Department of Chemistry  
University of New Hampshire  
Durham, NH**

*"Knowing and engaging chemistry students: Attitudes, self-concept, metacognition, motivation, and knowledge construction"*

Friday, November 24, 2023

**Dr. Carlie Charron**  
**Department of Chemistry**  
**Dalhousie University**  
**Halifax, NS**

*"Renovating natural peptides into peptide therapeutics"*

Friday, December 1, 2023

**Dr. Jacob Hanley**  
**Department of Geology**  
**Saint Mary's University**  
**Halifax, NS**

*"The role of non-polar solvents in the formation of strategic uranium-cobalt-silver deposits"*

Wednesday, December 13, 2023

**CHEM 4500 Progress Report Presentations**  
**Department of Chemistry**  
**Saint Mary's University**  
**Halifax, NS**

Progress reports presented by students enrolled in CHEM4500.

Caylee MacDonald: *Ultrastructural characterization of individual myofibrils during contraction by polarization resolved second harmonic generation.* Supervisor: D. Tokarz

Lauryn Mason: *An Investigation of The Applications of Localization Delocalization Matrices on The Prediction of Reaction Characteristics.* Supervisor: K. Ylijoki

Deana Symes: *A Synthetic Investigation of Organobismuth Cations and their Applications.* Supervisor: J. Masuda

Friday, January 26, 2024

**SMU Chemistry Student Society (SMUCS) Research Day**  
**Department of Chemistry**  
**Saint Mary's University**  
**Halifax, NS**

A SMUCS sponsored event of various Chemistry Students presenting their on-going research projects.

Guest Speaker:

**Tanner George, PhD Candidate**  
**Department of Chemistry**  
**Saint Mary's University**  
**Halifax, NS**

*Using X-ray Crystallography to Confirm Structures While Discovering New Ones*

Location Atrium AT101; Time: 11:30 AM to 2:15 PM

Friday, February 2, 2024

**Dr. Erwan Bertin**  
**Department of Chemistry**  
**Saint Francis Xavier University**  
**Antigonish, NS**

*"Using Pulsed Laser Ablation in Liquids as an Environmentally Friendly Route to Prepare Electrocatalysts"*

Tuesday, February 27, 2024

**IUPAC Global Women's Breakfast: Potluck Brunch**  
**Department of Chemistry**  
**Saint Mary's University**  
**Halifax, NS**

Time: 12:00 PM to 2:00 PM  
Location: Science S345  
Registration required

A potluck Brunch 'n Lunch with activities related to "*Catalyzing Diversity in Science*". Please bring a brunch or lunch item to share. Everyone is welcome!

Friday, March 1, 2024

**Dr. Jill Rourke**  
**Department of Chemistry & Biochemistry**  
**Mount Allison University**  
**Sackville, NB**

*"Using multiparametric approaches to discover novel signaling in health and disease"*

Friday, March 8, 2024

**SMUCS Chemistry Student Society (SMUCS) Career Day**  
**Department of Chemistry**  
**Saint Mary's University**  
**Halifax, NS**

A SMUCS sponsored event presenting potential career paths that require a background in *Chemistry*.

Location: Atrium AT101; Time: 11:30 AM to 2:15 PM

Friday, March 8, 2024

**Dr. Christina S. Bottaro**  
**Department of Chemistry**  
**Memorial University of Newfoundland**  
**St. John's, NL**

*"Catalysts of Curiosity: Undergraduate Experiences that Inspired my Science"*

Location: Burke Theatre B; Time: 2:30 PM

Friday, March 15, 2024

**Dr. David L. Jakeman, FRSC (UK)**  
**Professor, College of Pharmacy, Department of Chemistry,**  
**Dalhousie University**  
**Halifax, NS**

*Modulating bacterial glycoprotein biosynthesis: synthesis towards novel small molecule antibiotics*

- AND -

*Information Session: College of Pharmacy, Dalhousie University: how to apply to the PharmD program (Time: 12:30 PM; Location: Atrium AT101)*

Friday, April 5, 2024

**Dr. Leonard MacGillivray, Canada Excellence Research Chair**  
**Department of Chemistry**  
**Université de Sherbrooke**  
**Sherbrooke, PQ**

*"Crystal Engineering for Science, Engineering, and Medicine"*

Monday, April 15, 2024

**Chem 4500 Honours Defences**  
**Department of Chemistry**  
**Saint Mary's University**  
**Halifax, NS**

Time: 2:00 PM; Location: Loyola L282

Presenters:

- Caylee MacDonald: *"Ultrastructural characterization of individual myofibrils during contraction"*
- Lauryn Mason: *"An Investigation of The Applications of Localization Delocalization Matrices on The Prediction of Reaction Characteristics"*
- Deana Symes: *"A Synthetic Investigation of Substituted Cyclopentadienyl Complexes of Bismuth and Germanium"*

Tuesday, August 6, 2024

**Dr. Guillaume Bélanger-Chabot**  
**Department of Chemistry**  
**Laval University**  
**Quebec, PQ**

*"Oxidizing Functional Groups: Towards Heavy Main-group Energetic Materials"*

Time: 11:30 AM; Location Science S345