



SIMON FRASER  
UNIVERSITY



# 51<sup>st</sup> College Chemistry Canada Conference

## Conference Program



The Nature of Chemistry



**Simon Fraser University  
Burnaby, BC  
23-25 May 2025**

# Conference Program

Friday, 23 May 2025

Time	Event
11:00	Burnaby Village Museum Excursion
19:00	Social Mixer – Biercraft (SFU Burnaby Campus)
22:00	Starry Nights – SFU Trottier Observatory (SFU Burnaby Campus)

Saturday, 24 May 2025

Time	Event (SFU Diamond Alumni Centre)
08:30	Registration
09:00	Welcome
09:30	Plenary - S. Donnelly, "Fungi-Infected Zombies, Drunk Lemurs, Locust Plagues, and Other Unusual Topics to Show Chemistry's Relevancy"
10:30	Coffee
<b>11:00</b>	<b>Session 1</b>
11:00-11:20	K. Quinlan, "Textbook Tweaks and Off-Cycle Challenges: Rethinking Resources and Support in First-Year Chemistry"
11:20-11:40	G. Rayner-Canham, "A Journey from the Maggie Benston Centre SFU via Australia and the Torres Islands to the Inuit Nunangat"
11:40-12:00	L. Shaw, "Adapting to AI (Part 2): AI-Proofing an Online/Distance Delivered General Chemistry Course"
12:00-12:20	J. Canal, "Introducing Green Chemistry into Inorganic Laboratory Courses: Approaches and Impact"
12:20-12:40	Poster presenters (2 min talks)
<b>12:40</b>	<b>Lunch and Poster Session</b>
<b>13:30</b>	<b>Session 2</b>
13:30-13:50	Vernier Presentation
13:50-14:10	C. Doige, "OpenOChem - An online platform for direct assessment of students' use of symbols and representations unique to the Nature of Chemistry"
14:10-14:30	C. Lucy, "How Instructors Can Improve Textbooks"
14:30-14:50	M. Jensen, "Using Chatbots to Create JavaScript Simulations for Analytical Chemistry"
14:50-14:55	V. Monga, "Incorporating AI feedback in laboratory assessments"
14:55-15:00	K. Erickson, "Using Narrative Inquiry to Explore Professional Identities"
15:00-15:05	E. Trofimenkoff, "Shouting into the void . . . or the erlenmeyer flask"
15:05-15:10	Dul, E. & Kaban, M., "Movement Breaks in the Chemistry Classroom"
15:10-15:15	Movement Break 1
<b>15:15</b>	<b>Coffee</b>
<b>15:45</b>	<b>Session 3</b>
15:45-16:05	B. Gates, "Reenvisioning the Analytical Chemistry Laboratory"

16:05-16:25	X. Li, "Strategic approaches to enhance students' metacognitive engagement in 1st year chemistry courses at UBC Okanagan"
16:25-16:45	S. McNeil, "Interior Salish Pit Cooking Practices as a Contextual Framework in Introductory Chemistry"
16:45-16:50	J. Godbout, "How did the plate get its spots?"
16:50-16:55	O. Gulacar, "Enhancing Pre-Service Science Teachers' Awareness of Green Chemistry and Sustainability Through Targeted Interventions"
16:55-17:00	S. Donnelly, "GC-MS and C-13 NMR: Why wait until organic chemistry to teach it?"
17:00-17:05	M. Sheppard, "A Finland Faculty Exchange: Experiences in Culture and Education"
17:05-17:10	J. Allingham, "Implementing the Community of Inquiry Framework in a Student-Driven Capstone Course"
17:10-17:15	J. Allingham, "Implementing Specifications Grading and a Token-Based System in a Third-Year Organic Chemistry Laboratory"
17:15-17:20	Movement Break 2
<b>17:20</b>	<b>End of Day</b>
<b>19:00</b>	<b>Banquet</b>

## Sunday, 25 May 2025

Time	Event (SFU Diamond Alumni Centre)
09:00	Registration
09:30	Plenary - V. Williams, "Learners in a Dangerous Time"
<b>10:30</b>	<b>Coffee</b>
11:00-12:00	AGM + Group photo
<b>12:00</b>	<b>Session 4</b>
12:00-12:20	MacMillan Presentation
12:20-12:40	C. Knapp, "Molecular Modelling: Increasing Student Exposure to the Molecular World"
12:40-13:00	S. Donnelly, "Classroom Exercises for General and Organic Chemistry Involving Wildlife Forensics and Food Fraud"
13:00-13:05	Movement Break 3
<b>13:05</b>	<b>Lunch and Poster Session</b>
<b>14:00</b>	<b>Session 5</b>
14:00-14:20	R. Stoodley, "Building student engagement and learning with a student-customized lab manual"
14:20-14:40	J. Wickenden, "Two-Stage Exams in a Large Organic Chemistry Course"
14:40-15:00	A. Dicks, "Promoting Undergraduate Research Opportunities at the University of Toronto"
15:00-15:20	U. Kreis, "Fast, Focused, and Full of Surprises: Teaching Organic Chemistry in a Six-Week Sprint"
15:20-15:25	J. Rodriguez Nunez, "Reimagining First-Year Chemistry: Lessons learned from developing and implementing an enriched introductory chemistry class"
15:25-15:30	C. Alexander, "Real-World Applications in First-Year Chemistry: Investigating Drug Release with Sol-Gel Chemistry"
15:30-15:35	P. Scott, "Introducing Coordination Chemistry in a First-Year Enriched Laboratory"
15:35-15:40	Movement Break 4

<b>15:40</b>	<b>Coffee</b>
<b>16:10</b>	<b>Session 6</b>
16:10-16:30	N. Merbouh, "The unexpected benefits of incorporating the E-factor in the design of new undergraduate laboratory experiments."
16:30-16:50	J. Allingham, "From Students to Scientists: Exploring Role Models in First-Year Chemistry"
16:50-16:55	K. Rossiter, "Development of an Interactive Activity to Alleviate Student Stress in First-year Chemistry Laboratories."
16:55-17:00	R. Hirowatari, "A Natural Product Lab for Training Research Skills"
17:00-17:05	J. Ochola, "Advancing Scientific Literacy through Student-Centered Organic Chemistry Projects"
<b>17:05-17:20</b>	<b>Closing</b>
<b>17:20</b>	<b>End of Day</b>