



Saint Mary's
University

Research EXPO

March 7, 2025

Loyola Conference Hall

Saint Mary's University

1:00 to 4:30 p.m.



Agenda

1:00 PM

Event Opening

1:05 PM

Networking and visiting exhibitors

3:00 PM

Announcement of the Staff Research Recognition Award
Dr. Adam Sarty, Associate Vice-President, Research

3:05 PM

Three-Minute Pitch Presentations – Environmental Sustainability
Hosted by Kevin Buchan, Director, Office of Innovation and
Community Engagement

4:00 PM

Opening remarks for the Research Reception by Dr. Adam Sarty

4:30 PM

Closing of Research Reception

Presenters

Dr. Erin Adlakha

Department of Geology

Critical minerals for environmental sustainability

Dr. Christa Brosseau

Department of Chemistry

Sustainable Nanomaterials –

Tiny Treasures for Today's Big Problems

Dr. Kate Ervine

Department of Global Development Studies

Assessing Effectiveness in Models of

Novel Carbon Dioxide Removal Finance

David Lewis (PhD Candidate),

Department of Environmental Science

TRaP-ping Historic Mine Tailing Arsenic & Mercury

Dr. Colleen Barber

Department of Biology

Adaptations of an urban songbird for life alongside humans

Dr. Todd Ventura

Department of Geology

Non-isobaric gas sampling -

Simple innovations to complex problems

Exhibitors

1. **Kurt Laskow-Pooley** and **Sasha Barnard**, Divert Nova Scotia
2. **Tim Bachiu**, Net Zero Atlantic
3. **Nathalia Florez-Torres**, Invest Nova Scotia
4. **Reid Sutherland**, Mitacs
5. **Michele Fash** and **Phil Romkey**, ACENET
6. **Dr. Arla Day**, CN Centre of Occupational Health & Safety
7. **Dr. Ather Akbari** and **Maya Saradammal**, Atlantic Research Group on Economics of Immigration, Aging and Diversity
8. **Dr. Tatjana Takseva, Dr. Luke Hathaway, Professor Raymond Sewell, Dr. Deborah Kennedy, and Dr. Soji Cole**
Department of English Language and Literature

Dr. Soji Cole (winner, the Nigeria Prize for Literature, 2018) is a playwright and theatre artist who teaches Literature of the Black Atlantic in the Department of English Language and Literature.

Dr. Deborah Kennedy, Professor in the Department of English Language and Literature, currently researching "Cultural Artefacts and Literary Representation."

Dr. Luke Hathaway, co-creator of the XR opera Eurydice Fragments and the queer vaudevillian opera Caeneus, is a poet and theatre artist who teaches Creative Writing in the Department of English Language and Literature.

Professor Raymond Sewell, the creative artist behind the 2021 EP *Soul Medicine* (album forthcoming from Nikamowin/Montréal) is a poet and singer-songwriter who teaches Indigenous Literature and Culture in the Department of English Language and Literature.

Dr. Tatjana Takševa, Professor and Chair of the Department for English Language and Literature, author of *Unforgetting and the Politics of Representation: Voices from Contemporary Bosnia and Herzegovina* (Routledge 2025), an essay featured in the *Canadian Journal of Ethnic Studies*, "What It Takes to Feel Canadian: Multiculturalism and the Logic of Home" (2024), and editor of a special thematic issue of the academic journal *Atlantis: Critical Studies in Gender, Culture and Social Justice*, focused on women, peace and security in the context of migration, with Dr. Nancy Annan (Coventry University, UK).

9. **Dr. Ellen Farrell, Ama Animah Osei, Christophe Manzi, and Shri Subramanian**, Department of Management
Investor Q&A trained women raise \$23,935,500 in startup funding
10. **Chris Fevens and Gail Lethbridge**, Springboard Atlantic
11. **Dr. Jiju Poovvancheri, Prachi Kudeshia, Abdi Azis Muse, and Baxter Madore**, Department of Mathematics and Computing Science
Advanced Graph Machine Learning Approaches for Point Cloud and Sports Analytics
12. **Dr. Claudia De Fuentes, Dr. Joseph Jung, Dr. Joniada Milla, and Fariba Seyedjafarrangraz**, Department of Management

13. **Jason Turner and Leslie Arsenault**, Arthur L. Irving
Entrepreneurship Centre
14. **Dr. Sveva Savelli, Ethan Christie and Zéa Jones**,
Department of Languages and Culture
*The Metaponto Archaeological Project. The 2024
Archeological Investigations at Incoronata Greca (MT), Italy*
*Architectural Clay from the Oenotrain Settlement at
Incoronata Greca (Pisticci, Matera): A Contextual and
Technological Re-appraisal*
15. **Dr. Karly Kehoe and Mathias Rodorff**, Gorsebrook Research
Institute
16. **Dr. Myles McCallum**, Department of Languages and Culture
17. **Dr. Egor Tserdryk**, Linguistics Program
18. **Dr. Adel Merabet and Dr. Mohammadali
Kiehadroulinezhad**, Division of Engineering
19. **Mike Carew**, Dal Innovates
20. **Dr. Patricia Matsumoto and Dr. Mathew Novak**,
Wicked Problems Lab, Department of Geography and
Environmental Studies
*Community Engaged Mapping of Black Atlantic Nova
Scotians*

Dr. Kirrily Freeman and Shawn Smith, Department of
History and Loyalist Connections Creative Society
*Loyalist Connections Creative Society: Hidden Stories of Black
Atlantic Nova Scotians*

Dr. Patricia Matsumoto, Dr. Mathew Novak and
Dr. Peter Bush, Department of Geography and
Environmental Studies

Detecting forest change in Nova Scotia from 1986 to 2022

Dr. Peter Bush, Dr. Patricia Matsumoto, Lilly Binney and
Ava Gould, Department of Geography and Environmental
Studies

*Landscape Connectivity and Structural Fragmentation in
Prince Edward Island (2010-2020)*

21. **Dr. Colleen Barber**, Department of Biology
22. **Greg Baker**, Maritime Provinces Spatial Analysis Research
Centre
23. **Dr. Danika van Proosdij, Jane Henny** and **Kelly Umlah**,
TransCoastal Adaptions: Centre for Nature-Based Solutions
*TransCoastal Adaptions: Transforming landscapes for
coastal resilience.*
*Green Shores for the Maritimes: Building capacity for
nature-based coastal resilience*
24. **Dr. Christa Brosseau**, Department of Chemistry
Adventures in Plasmonics: From Sensing to Sustainability
25. **Dr. Todd Ventura, Stephanie Erhunmwunsee, Narges
Ahangarian, Gamra Oueslati, Elish Redshaw, Anirban
Chowdhury** and **Unyime Umoh**, Department of Geology

- 26. Dr. Tony Charles, Shahriar Nazrul, Abdul Mussa,**
and **Hasan Latif**, School of the Environment
Community Conservation Research Network
Fishery Stewardship and the Global Scene
Conservation Initiatives in Asia and Africa
- 27. Ruvi Mugara**, ThinkWell Shift
- 28. Dr. Linda Campbell**, Department of Environmental Science
Interdisciplinary Approaches to Resolving Arsenic and
Mercury Pollution from Historical Gold Mining in Nova Scotia's
Aquatic Ecosystems
- 29. Dr. Linda Campbell, Heidi Gavel, David Lewis, Enobong**
Udoh, Lauren MacDonald, Sam Sequeira, Logan Phillips,
Kaitlyn Kerr, and **Bradley Knockwood**, Department of
Environmental Science
Interdisciplinary Approaches to Resolving Arsenic and
Mercury Pollution from Historical Gold Mining in Nova Scotia's
Aquatic Ecosystems

Office of Innovation & Community Engagement

About Us

The Office of Innovation and Community Engagement (OICE) facilitates and fosters relationships by providing partners with a variety of services to benefit the development of new collaborations and project ideas..

OICE assists faculty with commercializing products and services that have been developed within Saint Mary's University. The office is the gateway for external partners wishing to connect with researchers to develop research relationships.

Every year OICE hosts a series of events to spark connections. Stay informed of upcoming events and recent business and research news by visiting our website,, [SMU.ca/oice](https://www.smu.ca/oice).

Services for External Partners

- Match research needs with expertise on campus
- Foster collaborations
- Assist with contract development
- Facilitate technology transfer

Contact Us

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