



NSIS 2023-2024 LECTURE SERIES NSIS1862.CA

October 16

Exploring how our Environment & Genes Impact Colorectal Cancer Risk in Atlantic Canada



Dr. Derrick Lee
St. Francis Xavier
University

There are many factors that influence an individual's risk of **cancer**. Dr. Lee will describe one of his research projects that takes aim at explaining why the risk of colorectal cancer is so high in our region.

November 6

Harnessing Waste Data to Mobilize Community Action



Dr. Kathleen Aikens
Atlantic Coastal
Action Program

ACAP Cape Breton has been collecting data on **litter & illegal dumping** for more than a decade, through the Trashformers program.

Dr. Aikens will describe challenges & opportunities of this program, and the embedded educational goals of the work, from training students who lead the clean-ups to engaging the community.

December 4

Overlooked No More: Non-indigenous, Invasive Species in Nova Scotia Lakes & Rivers



Dr. Linda Campbell
Saint Mary's
University

The unanticipated & unplanned appearance of **non-indigenous species in freshwater ecosystems** is a global issue.

Dr. Campbell will present case studies for both fish & invertebrates in N.S., highlight progress made over the past decade, and discuss ongoing needs in order to limit the impact of unwanted species on N.S.'s freshwater ecosystems.

January 15

Careers in Science: Panel Discussion with Nova Scotian Scientists

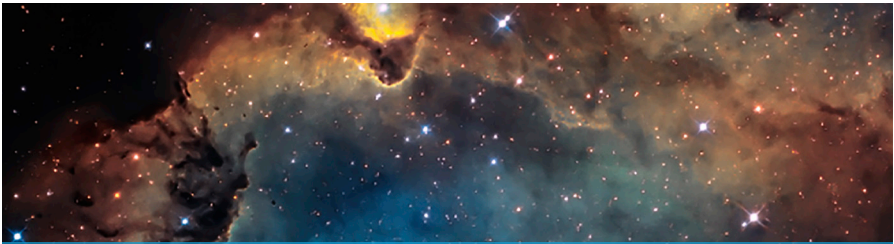


All lectures will be hybrid events held at St. Mary's University (Stephanie MacDonald Lecture Theatre, SMU Atrium 101) and on line via Zoom links that will be posted one week before each seminar on the NSIS Public Lectures webpage .

1ST MONDAY OF EVERY MONTH 7:30 PM

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February 5

Aiming to help 'Restore the Climate and Heal the Ocean': Preliminary Findings from a Groundbreaking Study of Marine CO2 Removal in Halifax



Dr. William Burt
Planetary Tech

Planetary Tech, a Dartmouth-based company, teamed with Dalhousie researchers, is leading global efforts to test a potential tool in the fight against both the **climate crisis** and **ocean acidification**. This talk

will outline how this tool, called **Ocean Alkalinity Enhancement**, works, and explain how N.S. has become a well-recognized world leader in the tool's R&D.

February 5 Student Symposium:



Join us as we discover the latest research findings of **student scientists** working at nearby NS research institutions.

We thank our partners who have joined us in our journey and mission to promote research and education in science...



April 8

Sustainable Agriculture Needs Insects; Insects Need Sustainable Agriculture



Dr. Paul Manning
Dalhousie University

Insects are sometimes called “the little things that run the world” based on their central importance to terrestrial & freshwater ecosystems. This importance extends to land used for producing food, where insects provide a range of environmental benefits to **agriculture**.

Dr. Manning will explore the environmental benefits supported by insects; arguing that **insect conservation** is an integral outcome of **sustainable food production**.

May 6

The Geology of the Cabot Trail: The Surprising 1.5 Billion Year Story of Nova Scotia's Most Iconic Drive



Dr. Jason Loxton
Cape Breton
University

Beneath the rolling vistas of the world-famous **Cabot Trail**, lies a story far older and more dramatic than most people imagine. A story of colliding **continents**, mass **extinctions**, **volcanoes**, **earthquakes**, and **glaciers**...

By tying the broad story of Nova Scotia's development as an Island to a series of accessible stops along the Cabot Trail, this talk will ensure you never experience the Cabot Trail the same way again!