

# Lauren E. Gover

Master's Student  
Department of Earth and Environmental Science, Dalhousie University  
1 (709) 730-1512; [lgover@dal.ca](mailto:lgover@dal.ca)

## EDUCATION

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**MSc in Earth and Environmental Science** (2024 – Present)  
Dalhousie University

**BSc in Biology (Honours)** (2019 – 2024)  
Memorial University of Newfoundland

- Chemistry Minor
- Aquatic Life Concentration

## RESEARCH INTERESTS

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My research interests include elemental cycling and storage in the boreal forest and how this information can be used to better understand the terrestrial carbon sink to inform projections of future climate change and management decisions.

## RESEARCH EXPERIENCE

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**Honours** (2023 – 2024)  
Memorial University of Newfoundland, Department of Biology

- Title: Population structure of the northern sea cucumber in and around a nursery habitat in the Canadian Arctic
- Supervisors: Dr. Annie Mercier and Dr. Kevin C. K. Ma
- Analysis of remotely operated video footage of the seafloor in the Hudson Bay, off the coast of Sanikiluaq, Nunavut, Canada.

**Paleoecology Lab Research Assistant** (2023)  
Memorial University of Newfoundland, Department of Biology

- Supervisor: Dr. Kathryn Hargan
- Assist with research projects focused on reconstructing spruce budworm outbreak dynamics using paleoclimate archives.
- Assist graduate students with sample preparations for dating sediment cores, stable isotope analysis and microfossil analyses.

**Ecosystem Ecology Lab Field Technician** (2023)  
Memorial University of Newfoundland, Department of Biology & Yale University, School of the Environment

- Supervisors: Dr. Shawn Leroux and Dr. Elizabeth Forbes
- Assisted with field data collection in Terra Nova and Gros Morne National Parks for a research project focused on exploring the connections between increasingly dense moose populations and boreal forest carbon storage and cycling rates.
- Data collection included soil sampling, vegetation surveys, moose density surveys, and carbon flux quantification using autonomously operating sensors.

## **RELEVANT WORK EXPERIENCE**

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**Parks Canada Student Heritage Interpreter** (2019 – 2023)

- Providing engaging interpretation of the natural (including local flora and fauna), military and communications history of Signal Hill, and other Parks Canada sites to the public.

## **SCHOLARSHIPS & AWARDS**

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2024 – 2025 **Canada Graduate Scholarship (CGS-M)**, Natural Sciences and Engineering Research Council of Canada (NSERC) (17,500 CAD)

2024 **Earth and Environmental Science Entrance Scholarship**, Dalhousie University (6,000 CAD)

2024 **Undergraduate Summer Research Award (USRA)**, Natural Sciences and Engineering Research Council of Canada (NSERC) (6,000 CAD)

2024 **Best Poster (Climate Change and the Environment)**, Scientific Endeavors in Academia Conference, Memorial University of Newfoundland (100 CAD)

2021 – 2023 **Faculty of Science Dean's List**, Memorial University of Newfoundland

2019 **Endowment Fund Scholarship**, Memorial University of Newfoundland (1,750 CAD)

## **FUTURE PUBLICATIONS**

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**Gover L. E.**, Ma K. C. K., Hamel J. F., Mercier A. Population structure of the northern sea cucumber in and around a nursery habitat in the Canadian Arctic. Target journal: Polar Biology.

## CONFERENCES ATTENDED

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2024            **Scientific Endeavors in Academia**, Memorial University of Newfoundland

## SUPERVISORS

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**Sian Kou-Giesbrecht** (2024 – Present)

Dalhousie University

Assistant Professor, Department of Earth and Environmental Science

[sian.kougiesbrecht@dal.ca](mailto:sian.kougiesbrecht@dal.ca)

**Kevin C. K. Ma** (2023 – 2024)

Memorial University of Newfoundland

Postdoctoral Fellow, Department of Ocean Science

[kevin.ma@mun.ca](mailto:kevin.ma@mun.ca)

**Annie Mercier** (2023 – 2024)

Memorial University of Newfoundland

Professor, Department of Ocean Science

[amercier@mun.ca](mailto:amercier@mun.ca)