

MSc (or PhD) student in Earth Sciences focusing on Holocene paleoceanography in the Nain region, Nunatsiavut

at the Department of Earth Sciences, University of New Brunswick, Canada



Co-supervision

Dr. Audrey Limoges (University of New Brunswick, Fredericton)

Dr. Alexandre Normandeau (Geological Survey of Canada, Halifax)

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Project description

Changes in the seasonal sea-ice cycle and properties of the water masses have the potential to alter the services that sea-ice ecosystems maintain, notably as platform for seasonal travel and the procurement of harvestable food. The open position for a MSc (or PhD) project is embedded in the *Nunatsiavut Coastal Interaction Project** and aims at studying the Holocene response of the Nain coastal ecosystem (i.e., sea ice, storm frequency and intensity, primary production) to climate fluctuations. Data produced as part of this project will provide knowledge foundations to predict the impact of continued warming on sea-ice conditions and its effect on the provisioning and cultural services supported by the Nain coastal ecosystem.

*The Sentinel North–Institut Nordique du Québec funded project *Nunatsiavut Coastal Interactions Project* brings together researchers from the fields of micropaleontology, archaeology, marine geology and geography. The research program links past changes in the coastal marine and terrestrial ecosystems – derived from collective knowledge, geoscientific and historical archives – to archaeological evidence for variations in abundance, demographics and harvesting of certain marine mammal species.

About the position

Qualification requirements:

We are seeking a motivated student who holds a BSc (and MSc) degree in Earth Sciences, Biology, Geography or any relevant domain. The candidate should be well-organized, have analytical aptitude, initiative and independence, capacity for collaborative work and a basic background in micropaleontology or sedimentology. The student should demonstrate excellent communication skills (oral and written) and be willing to travel to Halifax (Nova Scotia) and Montreal (Quebec) for meetings and laboratory work.

Our team is committed to provide a diverse, inclusive and supportive research and working environment. We welcome applications from all qualified students. We encourage women, Inuit, First Nations, members of visible or cultural minorities, LGBTQ and all who may contribute to further diversification of research approaches, ideas and group dynamics. Selection among the eligible candidates will be based on the applicant's skills within the subject area, relevance of past education, and ambition for research work. Diverse knowledges will be considered.

Starting date: Fall 2021 or Winter 2022, at the University of New Brunswick, Fredericton.

Financial support: A salary of CAD\$21,000/year for two MSc (three PhD) years that can be topped-up by teaching assistantship. The student will be encouraged to apply for national and provincial scholarships and grants. The student will have the opportunity to participate in research cruises.

How to apply?

Applicants should send the following information to Dr. Limoges via email (alimoges@unb.ca):

- Your contact information
- Your language skills
- A short letter of motivation and your research interests
- *Curriculum vitae* – degrees, completed courses relevant to the project, work experience
- A copy of BSc (and MSc) transcripts
- Contact details of 2 references

Review of applications will start in **August 2021** and will continue until a candidate has been selected.

More information can be found at:

- Department of Earth Sciences, UNB:
<https://www.unb.ca/fredericton/science/depts/earth-sciences/index.html>
- Financial information:
https://www.unb.ca/financialservices/students/Masters_and_PhD_Tuition_and_Fees/index.html