Ph.D. Positions

NRPOP LABORATORY MEMORIAL UNIVERSITY, CANADA

The Northern Region Persistent Organic Pollution Control (NRPOP) Laboratory was founded in 2007 by the Canada Foundation for Innovation (CFI) at Memorial University in Canada. This world-class lab is dedicated to innovative research on persistent and emerging contaminants in northern regions and marine environments and their mitigation methodologies and technologies. By integrating with advanced nano-/bio-tech and AI techniques, coupled experimental and modeling approaches are used to study the transport, fate, and effect of these contaminants and develop monitoring, analysis, simulation, control, and remediation technologies. The lab hosts first-class analytical and simulation facilities especially including the in-door pilot-scale systems, a first of its kind in Canada, for simulating pollutant transport and mitigation process in subsurface and ocean environments.

NRPOP Lab is led by **Dr. Bing Chen**, who is Full Professor and Chair of Civil Engineering Department, Director of NRPOP Lab, and Director of a global Network on Persistent, Emerging, and Organic PoLlution in the Environment (PEOPLE Network). He is also a Fellow of Engineering Institute of Canada, Fellow of Canadian Society for Civil Engineering, Member of Royal Society of Canada (College), and a registered Professional Engineer.

The NRPOP Lab is seeking enthusiastic and motivated Ph.D. students, starting Fall (September), Winter (January), or Spring (May) semester. The students will be fully funded and conduct modeling and/or experimental research on emerging contaminants.

MEMORIAL UNIVERSITY

NRPOP LAB

Northern Region Persistent Organic Pollution Control Laboratory

WE WELCOME STUDENTS WHO ENJOY RESEARCH TO JOIN NRPOP!

Requirements:

- Master's degree in environmental engineering/science, chemical engineering, chemistry, microbiology, nanomaterial, AI, or related areas
- Ability to work independently and collaboratively
- Strong written and oral communication skills
- Past research experience in modeling and/or experiment related to emerging contaminants and/or nanomaterial, biotech, and AI technologies will be an asset

Before applying through Memorial's website, candidates are highly encouraged to contact bchen@mun.ca with the email subject "**2021 NRPOP Ph.D. application**" including a curriculum vitae, transcripts, and samples of publications if available.

Memorial University's application procedures:
https://www.mun.ca/become/graduate/apply/