



Postdoctoral Scholar

Mountain Environmental Observing and Monitoring

Location: University of Calgary, Main Campus

Position Description

Area: Environmental Monitoring, Canadian Cordillera

Start date: March 1, 2020 to March 31, 2021 with the opportunity for a one-year extension

Salary: \$65,000/year plus benefits

The Arctic Institute of North America at the University of Calgary, in partnership with the Canadian Mountain Network, is accepting applications for a Postdoctoral Scholar in Mountain Environmental Observing and Monitoring.

Job Context and Description:

The [Canadian Mountain Network](#) (CMN) was established in 2019 as a not-for-profit organization dedicated to supporting the resilience and health of Canada's mountain peoples and places through research partnerships based on Indigenous and Western ways of knowing that inform decision-making and action. CMN benefits from the generous support of Canada's research granting agencies through a five-year, \$18.3 million grant from the [Networks of Centres of Excellence](#) (NCE) program.

The Postdoctoral Scholar (PDS) will work with CMN Principal Investigator (PI) Maribeth Murray, Executive Director of the Arctic Institute of North America (AINA) at the University of Calgary, to explore and expand environmental observing and monitoring capacity in the mountain regions of western and northern Canada. This program is a critical component of CMN's efforts to improve our understanding of mountain systems processes and drivers of change and is co-funded by the Government of Yukon.

The PDS will initially lead the completion of an inventory of environmental monitoring assets and capacities in Yukon. This work will then inform a larger-scale inventory for the mountain regions of the Northwest Territories, British Columbia, and Alberta. They will then work with the PI and others within CMN and the broader community to develop a strategy for a **Canadian Mountain Environmental Observing and Monitoring Program**.

The PDS will be encouraged and supported to publish in the field of mountain environmental observing and monitoring. She or he will act as a coordinating resource for a national Community of Practice in this area and will be supported to attend and present at conferences and lead other networking activities.

The PDS' work will inform the development of CMN's broader research agenda and proposals to improve and expand Canada's mountain environmental observing and monitoring infrastructure.

In addition, the program will link to and inform large international observing programs, such as the [Group on Earth Observations' Global Network for Observations and Information in Mountain Environments](#), to exchange best practices and data, as well as provide Canadian expertise and leadership to the international community.

Qualifications:

The successful candidate requires a PhD in Earth or environmental sciences or a related area.

She or he should have an established record of research productivity and the ability to work independently and resourcefully.

Field skills and experience working with remote sensing products and geographic information system (GIS) software are assets.

The successful candidate will need to travel regularly to a variety of locations in Yukon, the Northwest Territories, Alberta and British Columbia.

Application details:

Applications should be submitted by email to the following contact, with the subject line 'AINA CMN Postdoc Position'. Please include a cover letter, your academic CV, and the names and contact information of at least three external references:

Maribeth Murray, AINA Executive Director - Email: murraym@ucalgary.ca

Applications will be accepted until a suitable candidate is found.

Additional Information

To learn more about what the University of Calgary has to offer postdoctoral scholars, view the [Postdoc Careers website](#).

About the University of Calgary

The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to become one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. Ranked as the top young university in Canada and North America, the University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit ucalgary.ca.

About the Arctic Institute of North America

The [Arctic Institute of North America](#) was created by an Act of Parliament in 1945 and today is a research institute of the University of Calgary. Its mandate is to advance the study of the North American and circumpolar Arctic through the natural and social sciences, the arts and humanities and to acquire, preserve and disseminate information on physical, environmental and social conditions in the North.

About Calgary, Alberta

Named a cultural capital of Canada and one of the best places to live in the world, Calgary is a city of leaders – in business, community, philanthropy and volunteerism. Calgarians benefit from the strongest economy in the nation and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

The University of Calgary believes that a respectful workplace, equal opportunity and building a diverse workforce contribute to the richness of the environment for teaching, learning and research, and provide faculty, staff, students and the public with a university that reflects the society it serves. We encourage all qualified applicants to apply, however preference will be given to Canadian citizens and permanent residents of Canada.