



Postdoctoral Fellowship, Environmental Reconstructions and Cryosphere Response, Arctic Institute of North America

Job ID: 11315

Location: Main Campus

Position Description

Area: Cryosphere-Climate Research, Yukon Territory

Duration: Two years

Start date: November 1, 2016

Salary: \$50,000/year

The Arctic Institute of North America at the University of Calgary is accepting applications for a **Postdoctoral Fellow in Environmental Reconstructions and Cryosphere Response to Climate Change in southwestern Yukon Territory.**

Job Description:

The successful candidate will be involved in the development and synthesis of historical environmental datasets (e.g., climate, permafrost, and hydrological data) in Kluane National Park and southwestern Yukon Territory, Canada. She/he will also work with climate model reconstructions and projections for this region. Cryosphere-climate changes are of particular interest, including the state of permafrost, snow cover, glaciers, and lake/river ice in the region and their projected response to ongoing climate change. The project is based out of the Arctic Institute of North America (AINA) at the University of Calgary, which has operated the Kluane Lake Research Station (KLRS) in Yukon Territory since 1961. For more information please visit the AINA and KLRS [website](#). Researchers at KLRS and elsewhere in southwestern Yukon have collected a broad array of environmental data over five decades, and the incumbent will work with AINA and territorial agencies to collect and synthesize this data, along with construction of past and future climate scenarios for the region. KLRS is being considered as a [CryoNet](#) site within the World Meteorological Organization Global Cryosphere Watch, which includes systematic measurements of the local state of the cryosphere (snow, lake ice, permafrost, glaciers of the St. Elias Mountains) in the context of regional climate trends. Working with AINA and the Yukon Research Centre, the postdoctoral researcher will help develop this observational monitoring program, online communication of the meteorological and cryosphere data to be collected at KLRS, and the integration of these data with long-term environmental observations and climate model projections for this region.

Qualifications:

The successful candidate requires a PhD in Earth or environmental sciences, with research experience in climate science or environmental impacts of climate change. 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.

Application details:

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

Melanie Paulson, AINA Administrative Assistant Email: mpaulson@ucalgary.ca

The application deadline is October 15, 2016.

Additional Information

To learn more about postdoctoral scholar opportunities at the University of Calgary and all we have to offer, view our [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.



ARCTIC INSTITUTE OF NORTH AMERICA



UNIVERSITY OF
CALGARY

We're [increasing our scholarly capacity by investing in people](#) who want to change the world, bringing the best and brightest to Calgary to form a global intellectual hub and achieve advances that matter to everyone.

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.