



Arctic  
Institute of  
North  
America



# Postdoctoral Scholar

## The Role of Genomics in Fostering and Supporting Arctic Biodiversity: Implications for Wildlife Management, Policy and Indigenous Food Security. (GiSIRT)

**Location:** University of Calgary, Main Campus

### Position Description

**Area:** Genomics, biodiversity monitoring

**Start date:** February 1, 2022 or as soon as possible

**Duration:** 1 year

**Salary:** \$65,000/year plus [benefits](#)

### Job Context and Description:

The Postdoctoral Scholar (PDS) will work with Co-Principal Investigators (PIs) Maribeth Murray, Executive Director of the Arctic Institute of North America (AINA) at the University of Calgary and Peter Pulsifer, Carleton University, partner organizations and team members toward co-developing a suite of genomics knowledge-mobilization tools that will support environmental decision making. The focus is on supporting end-users with responsibilities for, or interests in, the areas of biodiversity monitoring, conservation, and the co-management of wildlife that are key to the social, cultural, physical, and economic well-being of northern Indigenous Peoples.

The PDS work will include creating and working with a pool of experts (Genomics and end-user); planning community workshops; creating an inventory and assessment of the availability of Genomic Information; assist in a biodiversity and conservation GAP analysis, including workshops, discussion papers and presentations at international conferences; information translation and sharing for end users; and the creation of communication and training materials. The successful candidate may need to travel to other locations across Canada to attend conferences, for data collection or to conduct fieldwork.

### Qualifications:

PhD in Biology, Molecular Biology, Genomics, Bioinformatics, Science communications or a related area.

- Strong expertise in Genomics
- Record of research productivity
- Experience in plain-language science communication
- Ability to work independently and resourcefully
- Proficiency in organizing and running in-person and/or virtual workshops
- Strong organizational and time management skills
- Good verbal and written communication skills
- Must be comfortable working in a diverse team and have good interpersonal skills
- Some experience of Arctic/Northern field work skills will be considered an asset
- Knowledge of scientific terminologies and language semantics is a plus.

**Accountabilities, Tasks, and Duties** (*Results and outcomes expected when roles are carried out successfully, with supporting details on how results are accomplished*):

Technical

- Compiling an inventory of genomics literature about Arctic species of interest
- Contributing to the project website, especially Species in Focus section
- Working with the computer science and language analytics tool developers for mining of data in scientific literature.
- Collaborating with the various work package leads
- Organizing and running workshops and consultations with Genomics experts, end-users, and stake holders
- Participating in regular project team meetings
- Creating communication and training materials

Reporting and Publications

- Publication of work products in peer-review journals is expected
- Contribution to Funder's Quarterly project progress report
- Compiling and writing workshop reports
- Maintain a clear and well-documented log of all work
- Presentation of results to the GiSRTresearch group in project meetings and if necessary to project end users and sponsors

Safety and Environment

- Understanding of standard operating procedures for field work
- Follow safety procedures for Arctic field work

Other

- Manage time effectively to complete project work
- Multi-tasking of various project goals
- Perform other duties, as assigned by the supervisor
- Contribute towards a positive working environment within a large and diverse team of colleagues at AINA

**Occupational Health & Safety:**

- Understands and complies with the requirements of the University's Occupational Health and Safety Policy.
- Has knowledge of and understands the expectations of the University's Occupational Health and Safety Management System (OHSMS) and applicable Faculty/Departmental/Unit specific health and safety policies and procedures.
- Ensures that all work conducted is in accordance with the Alberta Occupational Health and Safety Act, Regulation and Code and other health and safety legislation as applicable

## Application details:

Applications should be submitted by email with the subject line 'AINA GiSIRT Postdoc Position' to Maribeth Murray, AINA Executive Director - Email: [arctic@ucalgary.ca](mailto:arctic@ucalgary.ca)

Please include a cover letter, your academic CV, and the names and contact information of three references

**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](http://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.*