



# Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Link's Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

Corporate Headquarters:  
Toll Free Phone: (866) 225-9067  
Toll Free Fax: (877) 825-7564  
L9 P23 R4074 HWY 596 - Box 109  
Keewatin, ON P0X 1C0

# Job Board Posting



Careers.Indigenous.Link

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## POST DOCTORATE FELLOW

<b>Job ID</b>	<b>37719-8659</b>	
<b>Web Address</b>	<a href="https://careers.indigenous.link/viewjob?jobname=37719-8659">https://careers.indigenous.link/viewjob?jobname=37719-8659</a>	
<b>Company</b>	McMaster University	
<b>Location</b>	Hamilton, ON	
<b>Date Posted</b>	From: 2021-04-22	To: 2050-01-01
<b>Job</b>	Type: Full-time	Category: Education

### Description

Post-Doctoral (PhD or MD/PhD) Positions in Translation of Experimental Therapeutics in Adult Leukemias and Bone Marrow Transplantation. Program Description and Introduction. Our central goal is to understand mechanisms that control human stem cell fate and translate these insights to disease intervention and cancer therapies. The program <https://www.bhatiaprogram.com/> offers a creative and collaborative environment, driven by the excellence and curiosity of its trainees. State of the art services and facilities such as cytometry, single cell genomics, microscopy, high content screening of human stem cells is dedicated for human disease modeling. Our approaches integrate patient samples and clinical annotation with in vivo assays of stemness, and combining these with chemical genomics, automation systems, and bioinformatics. This allows us to identify, discover and translate our studies to Phase I trials. We are currently focussed on recruiting new leaders to drive established exciting projects to fruition via their next stages of development. These include: Project 1. Elucidation of novel epigenetic mechanisms to govern MDS to AML transition in patients. The candidate will be responsible for completion of a highly progressed project that has identified novel regulators of human myelodysplastic syndrome (MDS) to acute myeloid leukemia (AML) progression and will define the causal and mechanistic role of these new disease targets as therapeutics and/or biomarkers, as well as in the relapse setting using recently published models from our program. Involvement and collaboration in other multidisciplinary projects in our program would be encouraged as part of our training expectations. Requirements: Successful applicant must possess advanced skills in molecular biology, including recombinant DNA and vector delivery systems for gene interrogation e.g., CRISPR, shRNAs and mutant expression studies in eukaryotic cells. Past experience in tissue culture and transplantation into in vivo models would be an asset. Project 2. Single cell molecular characterization of human AML disease cells and niche The candidate will be expected to expand and further develop multiparameter single cell analyses eg. scRNA ATAC-seq of AML patient samples and reprogrammed counterparts to address hypotheses related to cancer stemness in leukemia and cancer niche. Involvement with other projects in our program would be encouraged as part of our training expectations. Requirements: Successful applicant should possess advanced bioinformatics skills, including experience with R and Unix/Linux software, and public analyses shared from a personal GitHub account etc. Experience with genome assembly and analysis (RNA-seq, ChIP-seq) using Galaxy workflows would be an asset, along with familiarity with scRNA-seq and large databases (i.e., The Cancer Genome Atlas). Terms: These fellowships for approximately 3 years and are full time positions with compensation commensurate with experience but will be well above national levels due to the high level of specialized expertise being sought. The start date of this appointment is intended by September 1st, 2021 but is flexible for the right candidate.

For more information, visit McMaster University for POST DOCTORATE FELLOW