



# 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.

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# Job Board Posting



Careers.Indigenous.Link

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## POST DOCTORATE FELLOW - LASER INDUCED FLUORESCENCE

Job ID	59904-5302	
Web Address	<a href="https://careers.indigenous.link/viewjob?jobname=59904-5302">https://careers.indigenous.link/viewjob?jobname=59904-5302</a>	
Company	McMaster University	
Location	Hamilton, ON	
Date Posted	From: 2024-04-26	To: 2050-01-01
Job	Type: Full-time	Category: Education

### Description

Postdoctoral position McMaster UniversityMcMaster University is a public research university in Hamilton, Ontario, Canada. McMaster is among Canada's most research-intensive universities, ranked top 100 universities in the world, and a first in the world in industry impact. Developing laser induced fluorescence (LIF) LiDAR for tower and UAV platformsWe seek a highly qualified postdoctoral fellow to develop laser induced fluorescence (LIF) sensors based on the Light Detection and Ranging (LiDAR) technology. The candidate will be part of a larger project funded by Natural Sciences and Engineering Research Council of Canada (NSERC) to assess the potential of enhanced forest management practices for offsetting greenhouse gas emissions using integrated multi-platform observations and carbon cycle models. The postdoctoral fellow will be responsible for designing the involved electric and optical components or using the components already available on the market to build the LIF sensor for forest ecosystems. The candidate will also be responsible for integration and test of working prototype in a real-world setting, including data collection and data processing. This position is based at the Photonic Device Lab (PI: Dr. Chang-Qing Xu) or Remote Sensing Lab (PI: Dr. Alemu Gonsamo, Canada Research Chair) at McMaster University, ON with possible research visits to Dr. Uwe Rascher lab at Forschungszentrum Julich national research institute in Germany. The postdoc will have opportunity to collaborate, including research visits, with the NSERC project PIs: Dr. Altaf Arain (McMaster University), Dr. Ingo Ensminger (University of Toronto), and Dr. Natasha MacBean (Western University).QualificationsThe position is ideally suited to researchers with strong skills in photonics with in-depth knowledge on remote sensing, plant physiology, lasers, optics, spectroscopy, and mechanics. The successful candidate will be provided with the opportunity to lead the research project, coordinate collaborations, and publish results. The candidate must exhibit effective written and oral communication skills and have demonstrated ability to publish peer-reviewed papers, and have a Ph.D. pending or awarded in relevant discipline (e.g. remote sensing, physics, photonics, mechanics, engineering). Funding is available for 2 years at a competitive salary that is commensurate with qualifications and experience, with the possibility of renewal.

For more information, visit McMaster University for POST DOCTORATE FELLOW - LASER INDUCED FLUORESCENCE