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.Links 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:
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Job Board Posting

Careers.Indigenous.Link

Date Printed: 2024/05/16

POST DOCTORATE FELLOW ELECTROCHEMICAL BIOSENSOR LA

Job ID	**61340-3725**	
Web Address	https://careers.indigenous.link/viewjob?jobname=61340-3725	
Company	McMaster University	
Location	Hamilton, ON	
Date Posted	From: 2024-03-26	To: 2050-01-01
Job	Type: Full-time	Category: Education

Description

Postdoctoral Fellow positions in Electrochemical Biosensor Lab – [Digital Microfluidics] / [Wearables & implantable] / [Infectious disease] We are seeking Postdoctoral Fellows to join Dr. Leyla Soleymani’s research team at McMaster University for the development of electrochemical, point-of-care biosensors.The roles will involve working closely with cross-functional teams within both academia and industry to translate research findings into practical solutions. This is an exceptional opportunity for individuals with a background in electrochemistry, bioengineering, biosensing, microfluidics, or related fields to make significant contributions in advancing healthcare technologies.General responsibilities: Perform research in assay design, device fabrication, and characterization of electrochemical biosensors. Collaborate with interdisciplinary team members and stakeholders to integrate findings into diagnostic platforms. Plan and perform experiments, analyze experimental data, disseminate knowledge in the form of reports/presentations, and contribute to publications. Mentor graduate and undergraduate lab members involved in related research projects. Liaise with industry and external partners. Participate in commercialization activities. General qualifications: PhD obtained in the last two years in Engineering, Chemistry, Biochemistry, or related fields. Previous research experience in at least two of the following areas: antibody and/or nucleic acid-based biosensing, electrochemistry, microfluidics, or micro/nano fabrication. Proficiency in experimental design, data analysis, and scientific writing. Demonstrate a commitment to diversity, equity and inclusivity.

The following project-specific qualifications are beneficial: Digital Microfluidics (DMF) – Experience with microfluidics or manipulating surface properties for the controlled interaction of fluids is desirable. Familiarity with electronic components and PCBs is also beneficial. Wearables & implantables – Design and fabrication skills for biocompatible materials such as hydrogels and/or experience in developing biosensors for continuous monitoring of physiological parameters is advantageous. Additionally, experience with regulatory/ethical requirements for in-vivo use of medical devices would be beneficial. In-vitro diagnostics for infectious disease – Understanding of biology, microbiology, immunology, and/or infectious diseases to design biosensors targeting specific viral or bacterial pathogens is an asset. Additionally, experience in handling infectious agents safely and working in a biosafety level 2 or higher laboratory environment is desirable.The applicant will have access to world-class facilities for microfabrication, electron microscopy, biointerface engineering and characterization, and healthcare translation. The

postdoctoral fellow will work in a diverse and multi-disciplinary team led by Professor Soleymani at McMaster University (https://experts.mcmaster.ca/display/soleyml) with tremendous opportunities for collaboration with health scientists.We value a diverse range of skills, backgrounds, and personality traits and aim to attract a diverse group of researchers to our lab. We value willingness to collaborate within the lab and with external researchers, to take initiative, and to work toward continuous improvement. We welcome applicants that feel they fit with our values and can enthusiastically contribute to a supportive and a collaborative team environment. Start Date: ASAP or May 1st, 2024Application process: Send your cover letter and CV through this website.Salary: $50,000.00-$60,000.00 per yearJob Types: Full-time, ContractContract length: 12 months, + potential for renewalWork Remotely: NoSchedule: Monday to Friday

For more information, visit McMaster University for POST DOCTORATE FELLOW ELECTROCHEMICAL BIOSENSOR LA