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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.

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# Job Board Posting



Careers.Indigenous.Link

Date Printed: 2024/10/06

## Research Officer, Analytical Chemistry / Agent ou Agente de recherches, chimie analytique

<b>Job ID</b>	48-D9-04-52-EA-2C	
<b>Web Address</b>	<a href="https://careers.indigenous.link/viewjob?jobname=48-D9-04-52-EA-2C">https://careers.indigenous.link/viewjob?jobname=48-D9-04-52-EA-2C</a>	
<b>Company</b>	National Research Council Canada	
<b>Location</b>	Charlottetown, Prince Edward Island	
<b>Date Posted</b>	From: 2024-09-26	To: 2024-10-07
<b>Job</b>	Type: Full-time	Category: Health Care
<b>Job Salary</b>	From \$63,470 To \$179,422 Per Annum	
<b>Languages</b>	English/Anglais	

### Description

We are looking for a Research Officer (RO) specializing in analytical chemistry to strengthen the Aquatic and Crop Resource Development Research Centre's (ACRD) core in the characterization of bio-products using mass spectrometry. This person would be someone who shares our core values of Integrity, Excellence, Respect and Creativity.

Our synergistic work environment needs a team member with skills in developing advanced analytical methods to characterize the chemical composition of raw materials, functional ingredients, and complex mixtures using mass spectrometry. Supported by multiple Agilent liquid chromatography (LC) instruments, a SCIEX Qtrap 4000 and 5500 System and an Agilent gas chromatograph (GC) coupled to a 7000D Triple Quadrupole mass spectrometer, you will work collaboratively in a team environment with researchers and technical experts. In this position, your focus will be on the analysis of various small molecules, including volatiles and complex lipids, as well as molecules from microbial fermentation.

Responsibilities will include developing proposals for new research initiatives, managing projects, and providing technical oversight for collaborations with internal and external partners. In your role of Research Officer, you will also deliver excellence in service to NRC clients and contribute to the overall direction and research priorities within their field of expertise, in alignment with the research centres business plan.

You will be responsible for conducting advanced and novel research at NRC's Aquatic and Crop Resource Development (ACRD) Research Centre facilities in Charlottetown, Prince Edward Island. The role involves attracting academic and industrial partners to characterize the chemical content of bio-based products.

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Nous souhaitons embaucher un agent ou une agente de recherche sp cialis  en chimie analytique pour renforcer les capacit s du Centre de recherches sur le d veloppement des cultures et des ressources aquatiques (DCRA) du CNRC dans la caract risation des bioproduits   l'aide de la spectrom trie de masse. La personne choisie doit partager nos valeurs fondamentales d' tint grit , d' texcellence, de respect et de cr ativit .

Notre  quipe de travail a besoin d'un nouveau membre ayant des comp tences dans le d veloppement de m thodes analytiques avanc es pour caract riser la composition chimique de mati res premi res, des ingr dients actifs et des m langes complexes   l'aide de la spectrom trie de masse. Soutenu par plusieurs instruments de chromatographie liquide (LC) Agilent, un syst me SCIEX Qtrap 4000 et 5500 et un chromatographe en phase gazeuse (GC) Agilent coupl    un spectrom tre de masse 7000D Triple Quadrupole, vous travaillerez en collaboration dans une  quipe avec des chercheurs et des experts techniques. Dans ce poste, vous vous concentrerez sur l'analyse de diverses petites mol cules, y compris des mol cules volatiles et des lipides complexes, ainsi que des mol cules issues de la fermentation microbienne. Les responsabilit s comprennent l' laboration de propositions pour de nouvelles initiatives de recherche, la gestion de projets et la supervision technique de collaborations avec des partenaires internes et externes. Dans votre r le d'agent de recherche, vous fournirez  galement un excellent service aux clients du CNRC et contribuerez   l'orientation g n rale et aux priorit s de recherche dans votre domaine d'expertise, en conformit  avec le plan d'affaires des centres de recherche.

Vous serez charg  de mener des recherches avanc es et novatrices dans les installations du centre de recherches sur le d veloppement des cultures et des ressources aquatiques (DCRA) du CNRC   Charlottetown ( le-du-Prince- douard). Le r le consiste   attirer des partenaires universitaires et industriels pour caract riser le contenu chimique des produits biosourc s

### Experience

- Significant research experience in developing and implementing analytical methodologies to separate and quantify small molecules and secondary metabolites in bio-resources and complex mixtures.
- Significant experience in development and validation of advanced tandem mass spectrometry methodologies including analyte introduction, ionization, parent and fragment ion detections, data processing, and interpretation of the results.
- Experience in operating, maintaining, and troubleshooting mass spec instruments in conjunction with gas and liquid chromatography.
- Significant experience across the full spectrum of research activities, including identifying research requirements, proposal writing, project management, data production and analysis, and reporting through written documentation, presentations and publishing.
- Experience in assembling project teams with diverse skill sets, encompassing analytical and natural product chemistry, biochemistry, marine biology, microbial fermentation and downstream processing.
- Experience in business development and in fostering collaborations and interactions with external partners.

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### Exp rience:

- Exp rience significative de la recherche dans le d veloppement et la mise en  uvre de m thodes analytiques pour s parer et quantifier les petites mol cules et les m tabolites secondaires dans les bio-ressources et les m langes complexes.
- Exp rience significative dans le d veloppement et la validation de m thodes avanc es de spectrom trie de masse en tandem, y

compris l'introduction de l'analyte, l'ionisation, les détecteurs d'ions parents et d'ions fragments, le traitement des données et l'interprétation des résultats.

\*Veuillez voir plus de détails sur notre site Web:

<https://recruitment-recrutement.nrc-cnrc.gc.ca/job/Charlottetown-Agent-ou-Agente-de-recherches%2C-chimie-analytique-PE/584808317/>

### Education Requirements

- PhD in Analytical Chemistry, or PhD in a related discipline with practical research experience in an analytical chemistry discipline.

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Études:

- Doctorat en chimie analytique, produits naturels ou biochimie ou domaine connexe.

### Essential Skills

Technical Competencies:

- Demonstrated ability to design and implement analytical methods for the separation and characterization of complex mixtures along with the quantifications of various bio-molecules (e.g. volatiles, lipids, and microbial metabolites)
- Demonstrated technical expertise in the development and validation of advanced mass spec methodologies (e.g., MRM, SRM, data independent MS/MS), including data processing and the use of MS software and databases.
- Demonstrated technical expertise to optimize analytical methods and troubleshoot any technical issues arising from the MS instrumentation, sample preparation, or analytical protocols.
- Strong collaboration skills with ability to influence priorities and activities within their field of expertise.
- Demonstrated ability to write high-quality research articles, communicate findings to partners and clients, and present findings at relevant conferences, meetings, and workshops.

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Compétences techniques:

- Capacité à concevoir et à mettre en œuvre des méthodes analytiques pour la séparation et la caractérisation de mélanges complexes ainsi que pour la quantification de diverses biomolécules (par exemple, volatiles, lipides et métabolites microbiens).
- Expertise technique démontrée dans le développement et la validation de méthodes avancées de spectroscopie de masse (par exemple, MRM, SRM, MS/MS indépendante des données), y compris le traitement des données et l'utilisation de logiciels et de bases de données de spectroscopie de masse.
- Expertise technique démontrée pour optimiser les méthodes d'analyse et résoudre les problèmes techniques liés à l'instrumentation de spectrométrie de masse, à la préparation des échantillons ou aux protocoles d'analyse.

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### Other

Priority may be given to the following designated employment equity groups: women, Indigenous peoples\* (First Nations, Inuit and Metis), persons with disabilities and racialized persons\*.

\* The Employment Equity Act, which is under review, uses the terminology Aboriginal peoples and visible minorities.

Candidates are asked to self-declare when applying to this hiring process.

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La priorité peut être accordée aux groupes désignés au titre de l'équité en matière d'emploi suivants : les femmes, les Autochtones (Premières nations, Inuits et Métis), les personnes en situation de handicap\* et les personnes racisées\*.

\* La loi sur l'équité en matière d'emploi, qui est en cours de révision, utilise les termes "personnes handicapées" et "minorités visibles".

Les personnes qui posent leur candidature sont invitées à se déclarer comme appartenant à l'un ou l'autre des groupes susmentionnés.

### How to Apply

Click "Apply Now"