

Tier 2 Canada Research Chair in Land to Ocean Biogeochemistry

Position Details

Position Information

Position Title	Tier 2 Canada Research Chair in Land to Ocean Biogeochemistry
Posting Number	F652P
Type of position	Tenure Stream
Department/Unit	Earth & Environmental Sciences
Location	Halifax, Nova Scotia, Canada
About the opportunity	Tier 2 Canada Research Chair in Land to Ocean Biogeochemistry

The Department of Earth and Environmental Sciences at Dalhousie University is seeking applicants for a Tier 2 Canada Research Chair in Biogeochemistry, with a focus on biogeochemical cycling and flux pathways along the *Land to Ocean Aquatic Continuum*. The ideal candidate will contribute to reducing uncertainty and develop new theories in source to sink greenhouse gas and/or nutrient budgets by studying the pathways and mechanisms of biogeochemical cycling between inland waters, estuaries, tidal wetlands, and continental shelf waters. We encourage applicants whose research integrates field-based surveys and application of biogeochemical and numerical models, including spatial variability, long-term trends, and sensitivity to anthropogenic drivers, and/or research with applications in climate change mitigation, adaptation, and carbon dioxide removal in open systems.

Required Qualifications: Ph.D. and postdoctoral experience in Biogeochemistry, Geochemistry, Hydrology, Earth System Science or a closely related field. Eligible applicants must demonstrate exceptional research excellence and productivity, potential for developing independent, externally funded research programs, and have a strong interest and aptitude for the teaching and mentoring of students. The successful candidate will have demonstrated ability or potential to lead multidisciplinary research teams and establish a world-class graduate program. We invite candidates from different career pathways, including industry, NGOs, government, and/or academia.

Additional Qualifications Desired: Strong track record of scholarly publications in highly regarded peer-reviewed journals, a history of securing funding to conduct research, employment of cutting-edge field and data analytical methods, and ability to provide quality mentoring and teaching to undergraduate and graduate students.

Responsibilities: The successful applicant will: develop and maintain a rigorous, externally funded research program; mentor graduate students; teach introductory and higher-level courses in Earth and Environmental Sciences; and provide inter-mural and extra-mural service to the University.

The Canada Research Chair (CRC) program was established by the Canadian Federal Government with the purpose of attracting outstanding researchers to the Canadian university system. Tier 2 Chairs are intended for exceptional emerging scholars (i.e. the candidate must have been an active researcher in their field for fewer than 10 years at the time of nomination). Applicants who are more than 10 years from their highest degree (and where career breaks exist, including maternity leave, extended sick leave, etc.) may have their eligibility for a CRC Tier 2 assessed through the program's Tier 2 justification process. Please contact Dalhousie's Office of Research Services and see the CRC website (www.chairs.gc.ca) for more information on eligibility. Dalhousie recognizes that career paths can be diverse and that career interruptions may occur. Applicants are encouraged to include, in their cover letter, an explanation of the impact that any career interruptions may have had on their record of research achievement.

The successful applicant may have research support from the *Ocean Frontier Institute (OFI)*. OFI brings together elite researchers and institutes from across the globe to tackle complex ocean challenges. Research is focused on three key areas: achieving net zero, protecting biodiversity, and sustaining bioresources. The OFI was created through an initial \$93.7M award (*Safe and Sustainable Development of the Ocean Frontier*) from the *Canada First Research Excellence Fund (CFREF)*. Dalhousie was recently awarded an additional \$154M CFREF award (*Transforming Climate Action (TCA)*; www.ofi.ca/programs/transform-climate-action) that will be administered by the OFI. The successful applicant will actively engage with the TCA mission and program.

The successful applicant will be appointed to a tenure-stream position at the rank of Assistant or Associate Professor. The anticipated start date is 1 July 2025. The application should include (i) a detailed curriculum vitae, (ii) a two- to three-page statement of research interests, (iii) a two- to three-page teaching statement including potential courses to be taught within the Department of Earth and Environmental Sciences, (iv) a one- to two-page statement on the applicant's track record related to and/or interest in Equity, Diversity, Inclusion and Accessibility (EDIA), (v) three representative publications, and (vi) the names and contact information of three references. Applications must be submitted online via the PeopleAdmin posting at <https://dal.peopleadmin.ca/postings/17212>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Dalhousie University commits to achieving inclusive excellence through continually championing equity, diversity, inclusion, and accessibility. In keeping with the principles of employment equity and the CRC program's equity targets, this position is designated to an equity-deserving candidate who self-identifies as a **woman or a member of another gender equity-seeking group**. Dalhousie recognizes that candidates may self-identify in more than one equity-deserving group, and in this spirit, encourages applications from candidates who, **in addition to belonging to the groups mentioned above**, also identify as persons with disabilities, Indigenous persons (especially Mi'kmaq), persons of Black/African descent (especially African Nova Scotians) and other racialized persons, persons identifying as members of 2SLGBTQIA+ communities, and all candidates who would contribute to the diversity of our community. (See www.dal.ca/becounted/selfid for definitions of the equity-deserving groups.)

Review of applications will begin on **23 September 2024** and will continue until the position is filled. To guarantee consideration of your application please submit it by 23 September 2024.

For more information and to review a Brief for the role, please contact Kaitlyn Farrell (Recruitment Advisor) at kaitlyn.farrell@dal.ca or Owen Sherwood (Search Committee Chair) at owen.sherwood@dal.ca.

Dalhousie is the leading graduate and research university in Atlantic Canada, with more than 21,000 students, including 3500 in graduate programs, from 115 countries. We are located in Kijipuktuk (Halifax), a friendly, energetic, ocean-side city. The city and surrounding areas host a wide range of cultural activities and opportunities. Excellent schools, sports facilities, and outdoor activities are also available locally.

If you require any support for the purpose of accommodation, such as technical aids or alternative arrangements, please contact Danielle Wood (Department of Earth and Environmental Sciences Administrator) at erthadm@dal.ca to let us know of these needs and how we can be of assistance. Dalhousie University is committed to ensuring all candidates have full, fair and equitable participation in the hiring process. Our complete Accommodation Policy can be viewed here: <https://www.dal.ca/content/dam/www/about/leadership-and-governance/university-policies/employee-accommodation-policy.pdf>

Posting Detail Information

Open Date	
Close Date	09/23/2024
Open Until Filled	Yes
Quick Link for Direct Access to Posting	https://dal.peopleadmin.ca/postings/17212

Documents Needed to Apply

Required Documents

- 1. Résumé / Curriculum Vitae (CV)
- 2. Teaching Statement
- 3. Research Statement
- 4. Sample Publication(s)
- 5. List of referees
- 6. EDIA Statement

Optional Documents