

Job Title and ID #	Isotopic Mapping Post-Doctoral Fellow/Research Associate #2022-07
Project Description	The Mineral Exploration Research Centre, at the Harquail School of Earth Sciences at Laurentian University, seeks applicants for an Isotopic Mapper as an essential part of craton-scale research conducted under Metal Earth.
Responsibilities	<ul style="list-style-type: none"> • Conduct Isotopic Mapping using the Lu-Hf system on zircons of the North Caribou terrane of Ontario and Manitoba in the Superior Province. • Design and carry out the sampling necessary to develop an overview of the isotopic character of the North Caribou terrane. • Conduct geological mapping of sampled outcrops and place them in a regional geological context in terms of mantle domains and near-surface faults in part using ARC GIS. • Integrate with whole-rock geochemistry of the sampled units. • Develop and maintain an archival database of all analytical work. • Supervision of MSc and/or BSc student projects done in association with the overall Isotopic Mapping project. • Preparation of manuscript(s) for publication in refereed international journals.
Skills, Knowledge, and Abilities	<ul style="list-style-type: none"> • Minimum PhD degree in Geology or Geophysics with experience in generation and interpretation of isotopic data (Sm-Nd and/or Lu-Hf) • Experience in the application of U-Pb geochronology. • Experience in the use of major and trace element geochemistry of Precambrian rock types. • Experience with application of isotopic data to create map-based views is an asset. • Understanding of Archean geology gained through practical experience or academic research. • Experience in writing results of research for publication in international journals as asset.
Funding	The appointment is renewable on an annual basis for up to 3 years. It is contingent upon funding, and has a salary of \$65-80K/year plus benefits. The anticipated start date is Jan 1 st , 2023, pending final budget approval. The position reports to the supervisor of craton-scale research and to management of Metal Earth.
Metal Earth	<p>Metal Earth is an applied R&D program led by the Mineral Exploration Research Centre (MERC) at Laurentian University. MERC is comprised of a team of internationally recognized researchers from the Harquail School of Earth Sciences as well as academic, industry, and government partners.</p> <p>The Metal Earth project aims to transform our understanding of Earth's early evolution and processes that govern differential metal endowment and to improve the science for targeting and finding new orebodies.</p> <p>For additional information regarding Laurentian University, MERC, and Metal Earth please visit merc.laurentian.ca/metalearth</p>

Laurentian University	<p>Laurentian University is an inclusive and welcoming community that encourages applications from members of equity-seeking communities including women, racialized and Indigenous persons, persons with disabilities, and persons of all sexual orientations and gender identities/expressions.</p> <p>The university committed to providing an inclusive and barrier-free experience to applicants with accessibility needs. Requests for accommodation can be made at any stage during the recruitment process.</p> <p>Effective May 1, 2022 the Policy and Program on COVID-19 Vaccination are placed in abeyance. This means the Policy and Program on COVID-19 Vaccination are paused at this time; however, they are not canceled and could be reinstated at a future date if public health conditions warrant it, or through guidance from federal, provincial or local public health authorities. The evolution of the virus and the course of the disease activity are difficult to predict and it may be necessary to reinstate the Policy in full or in part, on short notice. When the Policy and Program on COVID-19 Vaccination are paused, persons entering Laurentian's campus will no longer be required to provide proof of vaccination in order to attend campus.</p>
To Apply	<p>To apply, please forward your application to metalearth@laurentian.ca and reference the Job Identification Number #2022-07. The application should include a CV, manuscripts of any journal publications, contact details and the names of three referees. Applications will be accepted until the position is filled. First review of applications will begin December 1, 2022.</p>