



## Metal Earth PDF/Research Associate Positions, April 2019

Harquail School of Earth Sciences at Laurentian University is a recognized leader in mineral exploration research and is among the top Canadian universities in research funding for Economic Geology and in Applied Geophysics from the Natural Sciences and Engineering Research Council (NSERC).

With CAD \$104 million in funding provided by the Canada First Research Excellence Fund (CFREF) and through strategic partnerships with 5 Canadian universities, 6 government geological surveys and 3 international research centres, Laurentian University has initiated Metal Earth - the largest ever mineral exploration research project undertaken in Canada. Metal Earth seeks to identify and understand the processes responsible for Earth's differential metal endowment during the Precambrian. This research initiative aims to transform our understanding of Earth's early evolution and how we explore for metals.

Metal Earth is led by the Mineral Exploration Research Centre (MERC), which is a semi-autonomous research center at Laurentian University and comprises an internationally-recognized group of researchers from Harquail School of Earth Sciences and partners within academia, industry and government.

MERC is seeking individuals with demonstrated excellence in research and is inviting applications for three Post Doctoral Fellowships (PDF)/Research Associates (RA) beginning in April 2019; salary range is \$65-\$80k/yr plus benefits. The positions are contingent upon funding.

The PDF/RAs will supervise and conduct mapping-based research in the Wabigoon subprovinces of Ontario. As part of an integrated geological -geophysical team fieldwork will involve detailed geological mapping of geologic transects that cross variably metal endowed ancestral faults and volcanic centres, within the Wabigoon, and the supervision of MSc and BSc students. Research will establish the stratigraphic and structural architecture of each transect, and the timing and relationship(?) between base and precious metal systems. Research problems will be addressed through integrated mapping, geochemical and stable/radiogenic isotopic research, and integration of the results with ongoing geophysical interpretations. The positions are funded for three years. Mapping experience in greenstone belts with expertise in volcanology, economic geology, geochemistry and structural geology, and good communication skills and supervisory experience, are assets.

For additional information on Metal Earth and the Transect Research please visit [merc.laurentian.ca](http://merc.laurentian.ca). To apply, please forward your resume and cover letter to Courtney Folz at [metalearth@laurentian.ca](mailto:metalearth@laurentian.ca). The application should include: a CV including a list of publications, contact details and the names of three referees.

Laurentian University is a bilingual (French-English), tri-cultural institution. Laurentian University especially welcomes and encourages applications from members of visible minorities, women, Aboriginal persons, members of sexual minorities and persons with disabilities. Applicants may self-identify as a member of an employment equity group. All qualified candidates are encouraged to apply. However, Canadians and permanent residents will be considered first for these positions.