



## **Metal Earth Graduate Student Research Opportunities, May 2019**

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 housed in the Willet Green Miller Centre at Sudbury. MERC is a semi-autonomous research centre at Laurentian established in 1997 and comprises an internationally-recognized group of researchers from HSES, academia, industry and government.

### **Metal Earth MSc Graduate Opportunities**

Metal Earth is seeking 4 MSc students to 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 transects that cross precious and base metal endowed and less endowed ancestral faults and volcanic centres. Individual research problems will develop from the transect mapping and will be addressed through integrated field mapping, geochemical and isotopic research. Projects will involve the determination of structural controls on gold mineralization, interpretation of volcanic stratigraphy and environments, thermochronology and metamorphic pressure and temperature modeling. Each MSc project is fully funded for two years (\$30K/yr which includes a Laurentian Graduate Assistantship). Mapping experience is an asset.

### **Metal Earth PhD Graduate Opportunity**

Metal Earth is seeking 1 PhD student to conduct mapping-based research in the eastern Wabigoon subprovince in Ontario. Field work will be conducted as part of an integrated geological -geophysical team that is undertaking transect mapping through precious and base metal endowed and less endowed ancestral faults and volcanic centres of the Wabigoon. The research will establish the stratigraphic and structural architecture of volcanic centres in eastern Wabigoon and the geological controls on associated VMS ore systems. The research projects are fully funded for four years (\$30K/yr which includes a Laurentian Graduate Assistantship). Mapping experience, particularly in volcanology and structural geology, is an asset.

To apply, please forward your application and cover letter to Courtney Folz at [CFolz@laurentian.ca](mailto:CFolz@laurentian.ca). The application should include: a CV including a list of publications, academic transcripts, contact details and the names of three referees. Review of applications will begin immediately.

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.