

Mineral Exploration Research Centre (MERC) Postdoctoral Fellow

Term: One year, renewable for two years.

Start date: Fall/Winter 2020

MERC Overview: The Mineral Exploration Research Centre (MERC), is a semi-autonomous research centre at Laurentian University. MERC was established in 1997 and comprises an internationally-recognized group of researchers from the Harquail School of Earth Sciences (HES), academia, industry and government. MERC is a global leader in mineral exploration research and is the lead organization for Laurentian University's Metal Earth, a \$104M project that seeks to identify and understand the processes responsible for Earth's differential metal endowment.

Project Details: The Postdoctoral Fellow (PDF) will be an integral member of MERC and Metal Earth's research team responsible for integrating geologic with geophysical datasets to provide 3D interpretations across the eastern part of the Sudbury basin. The project is funded from an NSERC CRD grant to MERC in collaboration with Vale and Glencore. The successful candidate will work closely with Metal Earth's and the company teams to incorporate geological and geophysical data (seismic, magnetotelluric, gravity and magnetic) at regional to detailed scales along Metal Earth's Sudbury transect. The successful candidate will have experience with geological mapping in metamorphosed Precambrian terranes and interpreting associated geophysical data. It will entail geological compilation with targeted mapping and diamond drill core examinations in selected areas, to be integrated with regional and detailed geophysical data to better understand the distribution of lithological units and structures controlling magmatic Ni-Cu-PGE mineralization. The output of this work will include quarterly reports on progress and journal publication(s) on results of the research. Knowledge of the geology of the Sudbury basin, magmatic mineral deposits and experience in structural mapping are an asset. The position will be employed by MERC and will integrate with the company Sudbury offices as needed. Salary range is \$80-\$90K per year, depending on experience, and will include benefits.

To apply, please forward your application and cover letter to merc@laurentian.ca and reference the respective Job Identification Number: 2020 09. The application should include: a CV including a list of publications and conference presentations, academic transcripts, 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.