

**Kirkland Lake Gold Corp - Mineral Exploration Research Centre (MERC) Post Doctoral Fellow**

Term: One year, renewable for two years Start date: fall 2021

With the ongoing success of Kirkland Lake Gold's (KLG) Macassa South mine, the company is seeking to undertake new research to better understand the mineralization controls on the Macassa Mine and the South Mine Complex and their relationships to the 04 Break and the Amalgamated Break. The Post Doctoral Fellow (PDF) will be an integral member of KLG's exploration and MERC's research teams and will be responsible for research to evaluate structural, stratigraphic, lithogeochemical, and lithological controls at the South Mine and Macassa mine complexes.

The project will entail geologic mapping and diamond drill core logging, focused on the geochemistry of the igneous and sedimentary host rocks and the alteration systematics of various styles of mineralization. The output of this work will include quarterly reports on progress and journal publication(s) on results of the research.

The successful candidate will have experience with underground mapping and logging diamond drill core, 3D geologic modeling tools and lithogeochemical techniques of vectoring to alteration and mineralization systems. Knowledge of Orogenic Gold systems is essential and experience in structural mapping and facies analysis is an asset.

The position will be employed by MERC and will rotate between KLG's office in Kirkland Lake and MERC offices in Sudbury, as the project requires. Salary range is \$80-\$90K per year, depending on experience, and will include benefits.

Kirkland Lake Gold is a growing gold producer that is on track to produce 950,000 – 1,000,000 ounces in 2020 from high quality mines in Canada and Australia. Additional information can be found here: <https://www.klgold.com/home/default.aspx>

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. Laurentian University is an equal opportunity employer and is strongly committed to employment equity and diversity within its community. Laurentian University welcomes and encourages applications from members of visible minorities, women, Aboriginal persons, members of sexual minorities and persons with disabilities. All qualified candidates are encouraged to apply. Applications, which must include a letter of interest, an up to date CV, and the names and contact information for 3 references, should be directed to [merc@laurentian.ca](mailto:merc@laurentian.ca).