

CAREERS & RESEARCH

Job Title:	MERC MSc Graduate Opportunity – Macassa Mine, Kirkland Lake, Ontario
Job ID:	#2024-04
Project Description	<p>MERC, in partnership with Agnico Eagle, is looking for one MSc student to undertake a research project at the Macassa gold mine area in the Kirkland Lake gold mining camp. This is part of a larger research project in the Kirkland Lake camp focused on determining the structural, stratigraphic, and geochemical footprint of the gold system.</p> <p>This MSc candidate will focus on the spectral signature of the alteration assemblages. Agnico Eagle routinely collects multiparameter scans of drill core, including hyperspectral and XRF data. The spectral signature of the alteration assemblages will be calibrated using in-house XRD, petrographic and SEM analysis at MERC. The spectral signature will be evaluated in 3D space to determine proximity to different styles of mineralization and characterize the mineralogy of the alteration assemblages. This will develop a mineral footprint to the gold deposit for different host lithologies and different styles of mineralization that will contribute to improved exploration models and understanding of the gold metallogeny in the camp.</p> <p>This two-year, fully funded project involves extensive fieldwork in Kirkland Lake, including surface and subsurface mapping and logging of drill sections across the strata hosting the gold deposits.</p>
MERC	Laurentian University's Mineral Exploration Research Centre (MERC) in Sudbury, Ontario, Canada, conducts and promotes global, collaborative, lab- and field-based research focused on mineral deposits, exploration, and targeting. MERC hosts internationally recognized projects and researchers from academia, industry, and government.
Agnico Eagle	Agnico Eagle Mines Limited is a Canadian-based gold producer with operations in Canada, Finland, Australia, and Mexico and global exploration and development activities. Agnico Eagle owns and operates the Macassa mine, located in Kirkland Lake, Ontario, which is one of the highest-grade mines in the world.
Funding	MERC MSc projects are fully funded for two years and include complete field and analytical support.
Laurentian University	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. Laurentian is committed to providing an inclusive and barrier-free experience to applicants with accessibility needs. Accommodation requests can be made at any stage during the recruitment process.
To Apply	Applications require a cover letter, CV, academic transcripts, contact details, and the names of three references. Email merc@laurentian.ca and reference Job Identification Number 2024-04 in the subject line. Application reviews will begin on September 1st, 2024, and continue until a suitable candidate is found.