

Post-Doctoral and MSc Research Opportunities in the Guiana Shield

LU/HES/MERC in partnership with Barrick Gold is looking for a post-doctoral fellow/research associate and two MSc students to undertake research projects in the Guiana Shield, in Guyana and Suriname. Projects will preferably begin in September 2024.

The PDF/RA will lead field work in both Suriname and Guyana, will be responsible for determining the Rhyacian tectono-stratigraphy of the Maroni greenstone belt, Suriname, and will integrate the results with previously published data on the Mazaruni greenstone belt, Guyana.

The position will be for two years. Applicants must have a PhD degree in Earth Sciences, a previous post-doctoral research experience including geological mapping of greenstone belts in sub-equatorial regions, an experience in U-Th-Pb-Lu-Hf isotopic analyses of zircons using LASS-ICP-MS, and a peer-reviewed publication record in economic geology. Applications will be accepted until the position is filled. Only short-listed applicants will be contacted.

MSc1 will map the Djuka creek, west of the Maroni River. Emphasis will be on the structure and metamorphism, petrography and alteration geochemistry of clastic metasedimentary rocks (metaturbidite and metaconglomerate rocks), underlying metavolcanic rocks, deformation zones, and associated anomalous gold occurrences.

MSc2 will map the Kokerite stretch of the Barama River, Guyana. Emphasis will be on the stratigraphy and structure, petrography, litho-geochemistry and metamorphism of ultramafic-mafic rocks (chlorite-talc-schist of the Wanamu-Blue Mountains), clastic metasedimentary rocks (metaconglomerate rocks of Kokerite Landing) and anomalous gold occurrences (including Mo occurrence at Yakishuru Hill).

The MSc positions will be fully funded for two years, including tuitions fees, field travels, and research costs. A stipend will be provided for living expenses. Field work will include several days of boating on the Djuka creek (MSc1) or Barama river (MSc2). Accommodation will be on rustic cabins on shore or hammock camping in the forest. Applicants must possess an BSc degree in Earth Sciences from a recognized academic institution, and have a minimum average grade of 75%. Applications will be accepted until the position is filled. Only short-listed applicants will be contacted.

To apply, please email your application to sperrouty@laurentian.ca. The application package must include a cover letter, CV, list of peer-reviewed publications (for PDF/RA only), academic transcripts (for MSc only), contact details and names of three referees.

Laurentian University is an inclusive and welcoming community that encourages applications from members of visible minorities, indigenous persons, and persons of all sexual orientations and gender identities/expressions. Laurentian University is committed to providing an inclusive and barrier-free experience to applicants with accessibility needs. Requests for accommodation can be made at any stage during the recruitment process. All qualified candidates are encouraged to apply. However, Canadians and permanent residents will be considered first for these positions.