

October 7, 2022

Position: Post Doctoral Fellow specializing in (Mercury) Stable Isotope Geochemistry

Assistant Professor Dr. David McLagan, PI of the Fire, Earth, Water, Air Contaminant Biogeochemistry (FEWA) Lab in the [Dept. of Geological Sciences and Geological Engineering](#) (GSGE), and the [School of Environmental Studies](#) (SES) at Queen's University, offers an opportunity to a postdoctoral fellow (PDF) specializing in mercury stable isotope geochemistry. Initially, this is a one-year offer (salary: CA\$55,000/year) with a very strong possibility for extension of 1+ years via the joint pursuit (by Dr. McLagan and the successful candidate) of available internal (departmental/institutional) and external PDF funding opportunities.

Requirements: Candidates should have direct experience working with a multi-collector, inductively coupled plasma, mass spectrometer (MC-ICP-MS) preferably studying the unique mercury stable isotope system. The successful candidate will play a key role in setting up the existing [Queen's Facility for Isotope Research](#) (QFIR) MC-ICP-MS for mercury stable isotope analyses and training graduate and undergraduate students on mercury stable isotope sample and data analyses. Current research themes within the FEWA Lab applicable to mercury stable isotope analyses include the archiving and physiological processing of mercury within trees (including work on the [SPRUCE Project](#)) and biogeochemical assays on mercury use and pollution from artisanal and small-scale gold mining (ASGM). In addition, opportunities will also be available to develop the candidate's own research ideas, travel for field work and conferences, assist in the publication of on-going research projects, learn about other isotope systems and analytical methods from the world class team of researchers and technicians within the QFIR team, and of course have the flexibility to apply for career advancement opportunities (with PI support).

EDI matters: Academic research and scientific advancement benefits from a breadth of perspectives. The FEWA Lab values Equity, Diversity, and inclusions and aspires to build a research group that provides opportunity to people of all backgrounds, experiences and identities, and supports group members through an adaptive mentoring approach to ensure their success.

Submission details: Applications should include a cover letter (<2 pages), a one-page research statement (summarizing past research and future directions and ambitions), and a full academic CV. Please tailor your cover letter and research statement to this position; any generic applications will not be considered. All applications should be emailed to david.mclagan@queensu.ca. Ideal starting time would be January 2023, but there is flexibility on this timeline. If interested, please apply ASAP, as applications will be evaluated on a rolling basis until the position is filled.

Sincerely,



Dr. David McLagan

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