UBC Earth, Ocean and Atmospheric Sciences

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PhD position in Early Earth geochemistry

Applications are invited for an NSERC-funded **PhD position in Early Earth geochemistry** at the Department of Earth, Ocean and Atmospheric Sciences (EOAS), University of British Columbia, Vancouver, Canada. The successful candidate will perform petrological, and trace-element and non-traditional stable isotope analysis of sediments, juvenile rocks and cratonic xenoliths to test and refine models pertaining to the formation, composition and evolution of the early continental crust.

Applicants are expected to have an MSc or equivalent degree in Geology or a closely related field. Experience in any of the following are considered assets: isotope analysis, petrology, microstructural analysis, and numerical modeling. Proficiency in written and spoken English is required. The expected start date is **September 1st, 2027** at the latest.

EOAS hosts a vibrant community of faculty, postdoctoral researchers, graduate students and highly skilled technical staff working across geology, geophysics, oceanography, atmospheric science, hydrogeology, geological engineering and environmental science. EOAS fosters a highly collaborative culture that integrates interdisciplinary research and experiential learning across these fields to advance understanding of the Earth system and address complex challenges related to natural resources, climate and the environment. The PhD project will make use of EOAS' world-leading analytical capabilities in mass spectrometry (incl. LA-ICPMS, MC-ICPMS and TIMS at PCIGR) and electron-beam imaging and micro-analysis (FE-EPMA, SEM and XRD at EMXDF).

Applications should comprise a cover letter, an academic CV and the name(s) and contact details of at least one reference person. Applications are to be sent as a single document to Dr. Matthijs A. Smit (msmit@eoas.ubc.ca). The closing date is **December 20th, 2026**. For further information, see the team's website, or inquire directly by e-mail. Information regarding graduate studies at UBC can be found here.

UBC hires on the basis of merit and is committed to employment equity. UBC encourages applications from members of groups that have been marginalized on any grounds enumerated under the B.C. Human Rights Code, including sex, sexual orientation, gender identity or expression, racialization, disability, political belief, religion, marital or family status, age, and/or status as a First Nation, Métis, Inuk, or Indigenous person.