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PhD Position - *Volatile cycling and magma degassing on Earth and Exoplanets: A window into the geodynamics of planetary bodies*

The Department of Earth Sciences of the University of Geneva, Switzerland, invites applications for a doctoral student in geochemistry. The project seeks to enhance our understanding of the volatile composition of magmas during the first two billion years of Earth history. The study will focus on chemical analyses of apatite inclusions in zircons and include laboratory (EPMA, SIMS, LA-ICP-MS) and fieldwork.

The successful candidate will be integrated in the Centre for Life in the Universe of the University of Geneva and benefit from the close collaboration with the Natural History Museum of Geneva as well as the Universities of Lausanne and Clermont-Ferrand.

Candidates with a M.Sc. or an equivalent degree in Earth Sciences are invited to apply. We are looking for a motivated candidate to work in a multidisciplinary environment, interested in the development of analytical protocols and capable of formulating hypotheses independently. Previous work experience in mineral separation, geochemical techniques and in-situ analyses is beneficial but not a requirement. Good spoken and written English are prerequisites. Funding for this position by the Swiss National Science Foundation is secured for four years.

The application consists of a brief cover letter (half page max), a curriculum vitae, a one-page statement of research interests. Names and contact details of two potential referees, together with a preferred starting date should be specified in the cover letter. Please send the application as a single pdf file to Prof. Luca Caricchi (luca.caricchi@unige.ch). All applications submitted until the 31st of May 2023 will receive full consideration. Starting date of the PhD program is between 1st of September 2023 and 1st of January 2024.

For further information please contact Prof. Luca Caricchi or Dr. Nicolas Greber

