Silicon isotope systematics of geothermal fluids and minerals

The Geochemistry Group of the Institute of Earth Sciences University of Iceland (http://earthice.hi.is) invites applications for a Postdoctoral positions in the field of geothermal, isotope and experimental geochemistry. The positions are part of the GeoSmart project funded within the framework of Horizon 2020.

This position focuses on water-rock interaction, scaling and silicon isotope systematics of geothermal fluids and minerals. The motivation is related to the characterization of silicon isotopic variability of geothermal fluids and minerals and optimization of geothermal energy utilization by controlling mineral scaling. Planned experimental work will access both kinetic and equilibrium silicon isotope fractionation between dissolved and mineralized silica and the application of the results to trace silica mineralization during geothermal fluid utilization. The applicant must have completed a doctoral degree in geochemistry or a related field, developed excellent laboratory skills including experimental work and have excellent English language skill both written and spoken. Some experience working in a clean laboratory environment and performing stable isotope analysis is preferred. The position is funded for two years with possibility of extension.

For further information and enquiries contact Dr. Andri Stefánsson (e-mail: as@hi.is) and Dr. Sæmundur A. Halldórsson (saemiah@hi.is). All applications, which need to include a letter of motivation, curriculum vitae and names of two references, shall be send to Dr. Stefánsson. Applications are open until July 1st 2019 or until the positions are filled.