



**Multi-isotopic and trace element study at the Sn-(Cu) district of San Rafael
Two year post-doc position at the University of Geneva**

Project leaders

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In the frame of a project on the magmatic-hydrothermal transition in the world class Sn-(Cu) district of San Rafael, southern Peru, associated with peraluminous granitic magmatism, we offer a 24-month SNF-funded post-doc position. Applications are invited from candidates (less than 4 years after a Ph.D.) with a solid publication record and having worked with *in-situ* analytical techniques (SIMS and/or LA-ICP-MS). Experience on magmatic-hydrothermal ore systems is considered as an advantage.

The post-doc project aims at developing a multi-isotopic B-O-Sr-Nd-Pb and trace element study integrating *in situ* LA-ICPMS and SIMS and bulk TIMS analyses on tourmaline as a tracer of magmatic-hydrothermal transition processes. Analyses will be performed in the in-house facilities and in collaboration with the SwissSIMS facility at the University of Lausanne, ETH Zurich and CNR-Pisa. Tourmaline tracing will be complemented by analyses of cassiterite and sulfide samples from the Main ore and the post-Main ore stages, along vertical and lateral profiles in the San Rafael system.

Most samples are already available but a field season to complement sampling and to get a direct insight on the ore district is foreseen. The project will run in parallel with an already on-going PhD project focused on the relationship of mineralization with the structural and petrological evolution at San Rafael. According experience of the selected post-doc, collaboration on various aspects of the PhD project is encouraged.

To apply please submit a full CV and contact details for two referees, together with a letter of motivation to Prof. Lluís Fontboté (lluis.fontbote@unige.ch). Evaluation of applications will start on December 12th, 2016 until the position is filled.

Information on the

Mineral Resource and Geofluids Group: www.unige.ch/sciences/terre/ore

Department of Earth Sciences, University of Geneva: www.unige.ch/sciences/terre/