

The FACULTY OF SCIENCE has an opening for a

**Professor in Igneous Petrology, University of Geneva, Switzerland**

The Department of Mineralogy, Section of Earth and Environmental Sciences (SSTE; <http://www.unige.ch/sciences/terre>), invites applications for a professorial position (full, associate, or tenure track assistant). We seek an outstanding scientist with a combination of proven success and a high potential for future development. The successful candidate will be expected to further develop a strong tradition in the petrology of shallow magmatic systems. The person will join a lively scientific environment including active research groups in Physical Volcanology and Fluid Dynamics, Geochronology and Isotope Geochemistry, Ore Deposits, Geological Risks, and Global Change. The candidate is expected to have a broad range of skills that profit from the large diversity of available state-of-the-art analytical and computational facilities, and combine the understanding of the physics of magmatic processes with modeling and field investigations.

This position is part of a substantial renewal of the professorial staff of the three Departments of the SSTE (five successions during 2011-2013). Development of an ambitious research program, including the supervision of M.Sc. and Ph.D. students, will be facilitated by reliable and generous funding from national and local funding bodies. Masters-level teaching is conducted in cooperation with the University of Lausanne (Ecole lémanique des sciences de la Terre et de l'environnement - ELSTE). Post-graduate teaching is jointly organized and is supported by funded Doctoral Programs. The ability to teach in French within 12 months after arrival is highly desirable.

The Universities of Geneva and Lausanne provide access to diverse, shared analytical facilities. These include a petrographic preparation facility, secondary electron microscopy equipped for CL imaging and EBSD, X-ray diffractometry, electron microprobe analysis, X-ray tomography, particle characterisation, a fluid dynamics laboratory, Raman spectroscopy, fluid inclusion analysis, major and trace element analyses by XRF, and major and trace element analysis by solution ICP-OES and Q-ICP-MS, laser ablation Q- and SF-ICP-MS, stable and radiogenic isotope analysis, and geochronology by both solid state and noble gas mass spectrometry. A multicollector ICP-MS laboratory and a SIMS facility will be established in 2012. Access to a shared supercomputing facility between the universities of Geneva, Lausanne and the federal technical university EPFL at Lausanne is possible.

The University of Geneva encourages women to apply for all positions. The closing date for this position is June 13<sup>st</sup>, 2011 (preferred start is fall semester, 2012). Please submit a curriculum vitae, a list of publications, names of three references, a short research plan, and a copy of the certificate of the highest obtained degree in the form of a single pdf or doc file to [gaelle.auge@unige.ch](mailto:gaelle.auge@unige.ch), Décanat de la Faculté des Sciences, Sciences III, University of Geneva, 30 quai Ernest-Ansermet, CH-1205 Genève. Additional information concerning the job description and conditions of employment may be obtained from the Director of the Department of Mineralogy ([urs.schaltegger@unige.ch](mailto:urs.schaltegger@unige.ch)).