



**UNIVERSITÉ
DE GENÈVE**

FACULTÉ DES SCIENCES

Department of Earth Sciences

Post doctoral position in **3D Reservoir Structural Modelling**

Roles and Responsibilities: The successful candidate is expected to work on the HEATSTORE project, a rigorous research program belonging to a larger EC Horizon 2020 project GEOTHERMICA. This work will aim at developing a detailed sedimentological and petrophysical study of newly drilled sedimentary sequence in the Geneva Basin in order to support the subsequent 3D static and dynamic geological subsurface modelling aimed at predicting reservoir behavior related to heat storage projects planned in the area. The candidate will have to develop reservoir geology integrated analytical workflows and best practices related to the aforementioned tasks including geochemical, petrographical analytical procedures and use of existing regional data. The candidate will have to participate in teaching and supervision of graduate students at both the master's and doctoral levels. In addition, the successful candidate is expected to participate to the activity of the Geo-Energy / Reservoir Geology and Basin Analysis Group and develop a strong community of subsurface geothermal geoscientists supporting both this high-profile applied scientific project while supporting other internal and external research projects, possibly of large and diverse nature.

Qualifications: Qualifications include a Ph.D. in an appropriate Earth science discipline from an accredited college or university in the past 5 years and a proven track record of hands-on reservoir geology, sedimentology (preferably carbonate), quantitative sedimentary petrography, petrophysics and geochemistry skills with quantitative and semi-quantitative subsurface characterization techniques. Demonstrated industry experience is highly desirable but not required. Preference may be given to applicants with research interests in one or more areas including structural geology, fracture characterization and modelling, sedimentary geology, applied reservoir geology. Documented experience of teamwork and/or participation into integrated multidisciplinary projects, represent a plus in the selection process.

Place of work: Department of Earth Sciences, University of Geneva, Rue des Maraîchers 13, 1205 Geneva, Switzerland

Expected start date: December 1st, 2018 (can be discussed)

Terms of position: maximum two years at 80% rate; possible continuation after this mandate upon performance and funding availability. Starting salary class 14/0 according to the salary scale of the Canton of Geneva (for more info google: échelle de traitement ville de Genève)

Application procedure and closing date: Application materials must include a cover letter, curriculum vitae, and contact information for three referees. Applications may continue until September 25th, 2018. Documents for applications should be addressed by e-mail to **Prof. Dr. Andrea Moscariello** (Andrea.Moscariello@unige.ch).

General information: the Department of Earth Sciences is part of the Section of Earth and Environmental Sciences (<http://www.unige.ch/sciences/terre/>) and includes an enthusiastic group of undergraduate, MSc. and PhD students and laboratory facilities in collaboration with the University of Lausanne, including XRF/XRD, electron microprobe/SEM laboratories, QEMSCAN, stable isotope, argon geochronology, ICP-MS, MC-ICP MS and a new SIMS and a wide range of geophysical acquisition technology. Geneva is an exceptionally international city, surrounded by spectacular geological and natural settings, located at the core of Europe. The University of Geneva is an equal opportunity educator and employer committed to excellence through diversity.