

UNIVERSITE CLAUDE BERNARD - LYON 1



LABORATOIRE DE GEOLOGIE DE LYON

Postdoctoral Research Fellow in Experimental Petrology @UCBLyon1

Context :

This two-year postdoctoral position is funded by a collaborative project between the Department of Energy of the USA (DOE), the Texas Tech University (TTU, USA) and the University of Lyon 1 (UCBL, France). The postdoctoral candidate will be located in Lyon, within the Geology Laboratory (LGL-TPE) under the supervision of Pr. Muriel Andreani, Professor at Univ. Lyon 1.

Position :

We are seeking a highly motivated postdoctoral researcher to quantify and optimize H₂ generation from different fluid-rock interactions under varied hydrothermal conditions, using experimental petrology. The experimental petrology lab of LGLTPE is equipped with hydrothermal reactors (Parr type) that can be run up to 300°C-30MPa. The laboratory and the campus of Lyon university offer all the required facilities for an exhaustive characterization of reactants and reaction products (fluids and rocks). Candidates with a PhD in experimental petrology, petrology, geochemistry or related fields are expected. Strong collaborative skills to work within an interdisciplinary team is mandatory since the candidate will strongly interact with other scientists involved in the project. Candidates must be familiar with the classical techniques of rock characterization (e.g. optical and electron microscopy, XRD, vibrational spectroscopy, electron microprobe...). Experience in fluid analysis or thermodynamic modelling of fluid-rock reactions will be appreciated.

To apply :

Please contact Pr Muriel Andreani at muriel.andreani@univ-lyon1.fr for any questions or to send applications. The latter must include a CV with education history and research experiences, a list of publications, and the names and contact information of 2 references. Université Lyon 1 is committed to promoting diversity and inclusivity. We encourage applications from all qualified individuals, including those from underrepresented groups in Earth sciences. Examination of applications will start at the end of august 2024 and the position will remain open until filled.