

CONSORZIO INTERUNIVERSITARIO PER LO SVILUPPO DEI SISTEMI A GRANDE INTERFASE

CSGI
c/o Dipartimento di Chimica "Ugo Schiff"
Università degli Studi di Firenze



Direttore Prof. Piero Baglioni
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CALL ID: CSGI-FI-08/2017

Opening for a researcher within the EU Project "ShaleXenvironment" in the field of formulations of hydraulic fluids for shale gas extraction

The Centre for Colloid and Surface Science (CSGI) – University of Florence is partner of the Project "Maximizing the EU shale gas potential by minimizing its environmental footprint — ShaleXenvironment" (n. 640979), financed by the European Programme Horizon 2020, call LCE-16-2014 – "Understanding, preventing and mitigating the potential environmental impacts and risks of shale gas exploration and exploitation".

CSGI offers a position as researcher in the framework of the ShaleXenvironment project. The fellow will have the possibility to work at world – class scientific level in multidisciplinary and international teams to achieve a breakthrough in the field of formulations of hydraulic fluids for shale gas.

Time period:

1 September 2017 – 31 August 2018.

Location:

Chemistry Department "Ugo Schiff" of the University of Florence in Via della Lastruccia 3, Sesto Fiorentino (FI)

Job Requirements

CSGI is looking for a talented researcher with a Master Degree in Chemistry (or equivalent) and a Ph.D. in Chemical Sciences (or equivalent) with the following expertise:

- Advanced knowledge of the physico-chemical main principles of Formulation Science.
- Preparation and full characterization of surfactant-based formulations.
- In particular it is requested an experienced expertise in the following techniques: small angle X-ray scattering, dynamic light scattering, electron microscopies, differential scanning calorimetry, thermal analysis in general, X-ray diffraction, infrared spectroscopy, atomic force microscopy, contact angle, fluorescence correlation spectroscopy, quartz crystal microbalance, confocal microscopy.

The knowledge of the English language at advanced level is required.

Gross salary: up to EUR. 22.000 for the time period above specified.

For more necessary information, please write to Prof. Pierandrea Lo Nostro at segreteria@csgi.unifi.it

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All candidates must send:

1. Signed application letter specifying: surname and name, date of birth, address, e-mail and telephone number;
2. Curriculum vitae et studiorum;
3. Degree certificate;
4. Ph.D certificate;
5. List of all titles and documents that can be relevant for the selection;
6. Copy of a personal I.D. (printed on both sides);

All applications must arrive by email to segreteria@csgi.unifi.it no later than **25/08/2017**

Please report the CALL ID in the subject of the email.

A colloquium with the evaluating committee might be requested. The colloquium can take place either face-to-face or via Skype.

The result of the selection will be posted on the CSGI official website <http://www.csgi.unifi.it>
Personal data will be collected and handled according to the Italian privacy policy (D. Lgs. 30 June 2003, nr. 196).

Sesto Fiorentino, 31.07.2017