

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-03/2018

Opening for a researcher within the EU Project "INNOVACONCRETE – Innovative Materials and Techniques for the Conservation of 20th Century Concrete-based Cultural Heritage.

The Centre for Colloid and Surface Science (CSGI) – University of Florence is partner of the Project "*Innovative materials and techniques for the conservation of 20th century concrete-based cultural heritage, Innovaconcrete*" (n 760858), financed by the European Programme Horizon 2020, call H2020-NMBP-2016-2017-RIA

CSGI offers a position as a researcher in the framework of the InnovaConcrete project. The fellow will have the possibility to work at world-class scientific level in multidisciplinary and international teams.

Time period:

May 15, 2018 – December 31, 2020

Location:

University of Florence, Department of Chemistry "Ugo Schiff" in Via della Lastruccia 3, 50019 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:

- Experience in the field of the physico-chemical investigation of hydraulic cementitious materials, monitoring of their hydration process and identification of crystalline and amorphous hydrated phases.
- Characterization of structural, microstructural, physical and chemical properties of bulk and nanostructured inorganic and organic solid phases by (i) differential scanning calorimetry, differential thermal analysis, and thermogravimetric analysis (ii) scanning electron microscopy + energy dispersive x-ray diffraction, (iii) gas-physorption according to the BET/BJH methods, (iv) fourier transform infrared spectroscopy, (v) X-ray diffraction.
- Experience in the characterization and superficial functionalization of inorganic nanotubes.
- Set-up and management of research laboratories. Good attitude in working in a team.

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Gross salary: up to EUR. 71.000 € for the time period above specified.

For more necessary information, please write to Francesca Ridi at segreteria@csgi.unifi.it

All candidates must send:

1. a signed application letter specifying: surname and name, date of birth, address, e-mail and telephone number;
2. the curriculum vitae et studiorum;
3. the degree certificate in free paper with the scores of each exam and final evaluation;
4. Ph.D. certificate in free paper;
5. the list of all titles and documents that can be relevant for the selection;
6. a copy of a personal I.D. (printed on both sides);

All applications must arrive by email no later than **27/04/2018** to the following mail address segreteria@csgi.unifi.it

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 F.no, April 3, 2018