

# CONSORZIO INTERUNIVERSITARIO PER LO SVILUPPO DEI SISTEMI A GRANDE INTERFASE

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



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CALL ID: CSGI-FI-12/2019

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

The Center for Colloid and Surface Science (CSGI) – University of Florence is partner of the Project "INNOVACONCRETE – Innovative Materials and Techniques for the Conservation of 20th Century Concrete-based Cultural Heritage" (n 760858), financed by the European Programme Horizon 2020, call H2020-NMBP-2016-2017-RIA.

CSGI offers a position as 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:

November 1<sup>st</sup>, 2019 – December 31<sup>st</sup>, 2020

Location:

University of Florence, Department of Chemistry "Ugo Schiff" in via della Lastruccia 3, 50019 Sesto Fiorentino, Florence, Italy

Job Requirements:

CSGI is looking for a highly motivated and creative researcher with a Master's degree in Chemistry (or equivalent) with the following expertise:

- Experience in the field of the physico-chemical investigation of crystalline and amorphous inorganic colloidal structures.
- Experience in the preparation and characterization of hybrid nanostructured materials based on inorganic colloidal structures and organic components.
- 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.
- Set-up and management of research laboratories.

Candidates must show a good attitude in working in a team, strong analytical and organizational skills.

Gross salary: up to EUR. 31.000 € for the time period above specified.

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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 with the scores of each exam and final evaluation;
4. the list of all titles and documents that can be relevant for the selection;

All applications must arrive by email to [recruitment@csgi.unifi.it](mailto:recruitment@csgi.unifi.it) by October 25th, 2019 (05:00 PM CET).

**Please report the CALL ID (CSGI-FI-12/2019) 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, September 27<sup>th</sup>, 2019.