

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. Emiliano Fratini

CALL ID: CSGI-UTOV-09/2026

The Center for Colloid and Surface Science (CSGI) has an open position for a researcher, with experience in physical-chemical characterization of biomimetic systems.

The fellow will have the possibility to work at world-class scientific level in a multidisciplinary and international team, on a project entitled:

"Research Fellow in Physical-Chemical Characterization of Complex Materials at the Florence ISIS@MACH ITALIA Unit"

Time period:

July 16th, 2026 – December 31st, 2026

Location:

CSGI Florence

Job Requirements:

The Center for Colloid and Surface Science (CSGI) is looking for a highly motivated post-doc researcher with experience in the physical-chemical characterization of complex materials and advanced instrumental analysis, with a Master's Degree in Chemistry and a PhD in Chemistry.

The successful candidate will work at the ISIS@MACH ITALIA unit hosted at CSGI Florence, contributing to the execution, management, and analysis of measurements carried out within the facility.

The ideal candidate will have expertise in one or more of the following areas:

- Physical-chemical characterization of complex materials, colloidal systems, soft matter, gels, pastes, powders, films, and related functional materials
- Preparation, handling, and characterization of samples for advanced instrumental analysis
- X-ray scattering and diffraction techniques
- Scanning electron microscopy and microanalysis, including SEM imaging, SE/BSE contrast, EDS analysis, and elemental mapping
- Confocal Raman microscopy/spectroscopy and FT-IR spectroscopy for chemical and structural characterization
- Analysis and modelling of structural, morphological, spectroscopic, and compositional data
- Correlation of complementary characterization results to describe structure–property relationships in complex materials
- Development, optimization, and documentation of experimental protocols for facility-based measurements
- Experimental design, quantitative data analysis, and preparation of technical/scientific reports

Main activities

The recruited researcher will:

- Take care of measurements performed at the ISIS@MACH ITALIA unit in CSGI Florence;
- Support the organization, execution, and analysis of experimental activities;
- Contribute to the set-up and optimization of experimental methodologies;

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- Perform physical-chemical characterization of complex materials;
- Analyse and interpret experimental data;
- Participate in laboratory management and facility-related activities;
- Prepare monthly scientific reports.

Time period:

July 16, 2026 – December 31, 2026

Location:

CSGI, Florence, Italy

All applicants must send:

1. [This signed application letter](#);
2. Academic CV (including a list of publications, a list of courses and a list of talks given), description of research interests and research agenda;
3. Degree certificates;
4. List of all titles, documents and publications that can be relevant for the selection;
5. Contact details of -at least- two potential references;
6. Copy of a personal I.D. (printed on both sides);

Gross salary: up to EUR. 20.625 € for the entire duration of the contract.

For more information, please contact Prof. Massimo Bonini email: massimo.bonini@unifi.it

All applications must be sent by email to recruitment@csgi.unifi.it **no later than July 6th, 2026 – 15:00 CET**.
Please report the CALL ID (CSGI-UTOV-09/2026) 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 telematic meeting.

The commission will rank the suitable candidates; the ranking will be published on the CSGI website at https://www.csgi.unifi.it/work_with_us.php and will remain effective for a period of one year from the date of its approval. This ranking may be used by CSGI to replace the appointed candidates in the event of renunciation, non-employment, forfeiture, termination of the employment relationship, or for equivalent positions.

The winner of this position may be excluded if he/she would postpone the beginning of the research activity later than August 1st 2026.

Personal data will be collected and handled according to the GDPR- General Data Protection Regulation (EU) 2016/679.

Sesto F.no, 15/06/2026