

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-FI-16/2026

The Center for Colloid and Surface Science (CSGI) has an open position for a researcher, with experience in computational physical chemistry for the description of non-ionic surfactant mesophases via coarse grained optimized force fields and detailed reconstruction of associated neutron and x-ray scattering curves.

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

"Automatic Force-Field optimization for the detailed prediction of phase transitions in non-ionic surfactant/water systems"

Time period:

November 1, 2026 – February 28, 2027

Location:

CSGI, University of Florence, Department of Chemistry "Ugo Schiff" – DICUS
Via della Lastruccia, 3 – 50019 Sesto Fiorentino (FI)

Job Requirements:

CSGI is looking for a highly motivated young researcher with a Master degree in Chemical Science (LM-54), in Pharmaceutical Chemistry and Technology (LM-13-R), with expertise in the following fields:

- experience with differentiable Molecular Dynamics;
- advanced use of GROMACS MD package;
- experience with Coarse-Grained Force Field Development (i.e. Martini);
- knowledge of High-Performance Computing (HPC) management.

The recruited person will:

- Actively participate in research, lab management and set-up of new computational methodologies;
- Perform the planned research activities, analyse data and write a monthly report;

Gross salary: up to EUR. 1.225,00€/month.

For more information, please contact Prof. Emiliano Fratini (emiliano.fratini@csgiscience.eu).

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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 previous expertise positions that can be relevant for the selection), description of research interests and research agenda;
3. Copy of a personal I.D. (printed on both sides);

All applications must be sent by email to recruitment@csgi.unifi.it **no later than October 25th, 2026 – 17:00 CET.**

Please report the CALL ID (CSGI-FI-16/2026) 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 online meeting platforms.

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 November 10th 2026.

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

Sesto F.no, September 25th, 2026