

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-BS-18/2022

The Center for Colloid and Surface Science (CSGI) has an open position for a Recognized Researcher (R2) (EURAXESS profile), with experience in Bionanotechnology and Applied Cellular Biology.

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

“BOW – Biogenic Organotropic Wetsuits”

(Grant agreement ID: 952183, funded by the European Programme Horizon 2020, H2020-EU.1.2.2. – FET Proactive - www.bowproject.eu), whose goal is to explore and consolidate the technology able to transfer the immune evasion and targeting abilities of extracellular vesicles to inorganic, superparamagnetic nanoparticles by coating them with the lipid membrane of extracellular vesicles obtained from sustainable sources.

Time period: February 1st, 2023 – July 31, 2023

Location:

CSGI, University of Brescia, Department of Molecular and Translational Medicine, Viale Europa, 11 - 25123 Brescia (Italy)

Job Requirements:

CSGI is looking for a highly motivated, creative, and independent postdoctoral scientist with a master's degree and a Ph.D. in life sciences (biotechnology, biology, or equivalent) to work in the framework of the BOW project, with expertise in the following fields:

- Separation of extracellular vesicles from biological fluids and cell culture medium with different methods (including, but not limited to, ultra-centrifugation, density gradient floatation, tangential flow filtration, and size-exclusion chromatography).
- Biochemical and biophysical characterization of extracellular vesicles (including, but not limited to, Western blot analysis, colloidal nanoplasmonic assay, optical and Atomic Force Microscopy (AFM), and flow cytometry).
- Cellular biology, with required expertise in nanomaterials in vitro toxicity assessment.

The recruited postdoctoral researcher will:

- Actively participate in research, lab management and set-up of new experimental methodologies
- Actively participate in research meetings with the other BOW team members

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- Actively participate in publishing research in international journals and in presenting results at international conferences.
- Assist in the supervision of bachelor, master, and Ph.D. students.
- Actively participate in dissemination activities of the research of the BOW project.
- Perform the planned research activities, analyse data and write a monthly report

Perceiving Gross amount: **EUR. 1955 €/month**

For more information, please contact Prof. Paolo Bergese (paolo.bergese@unibs.it) and BOW administration (bow@csgi.unifi.it).

All applicants must send:

1. This signed application letter;
2. The academic CV written in English (including a list of publications, a list of courses and a list of talks given), description of research interests and research agenda;
3. The MSc degree certificate;
4. The Ph.D. degree certificate;
5. The list of all titles, documents and publications that can be relevant for the selection;
6. Contact details of -at least- two potential references;
7. 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 January 13th, 2023 – 17:00 CET.**

Please report the CALL ID (CSGI-BS-18/2022) 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 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 GDPR- General Data Protection Regulation (EU) 2016/679.

Sesto F.no, December 12th, 2022