

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-09/16

Position for early-stage researcher within the EU H2020 Project "BIOCLEAN" (BIOfilm management and CLEANing by leveraging fundamental understanding of biological, chemical and physical combined approaches) financed by the MSCA research fellowship programme.

The Centre for Colloid and Surface Science (CSGI) is partner of the European Project "BIOCLEAN" (722871) (BIOfilm management and CLEANing by leveraging fundamental understanding of biological, chemical and physical combined approaches), financed under the European Programme Horizon 2020, call H2020-MSCA-ITN-2016 (Marie Skłodowska-Curie Innovative Training Networks). BIOCLEAN addresses the need to create a sustainable training network across academia, industry and the healthcare sector to produce highly skilled multi-disciplinary young scientists competent in chemistry, engineering and experimental wet lab biology.

The fellow will have the possibility to work at world – class scientific level in multidisciplinary and international teams. CSGI will host the early-stage researcher at its premises and will provide training as well as the necessary means for implementing project activities. A career development plan will be established and its implementation will be supported. Moreover, to ensure an appropriate exposure to the non-academic sector, a period of secondment is scheduled. The selected candidate will be enrolled in the doctoral programme and will have a named supervisor and a second supervisor during the period of secondment.

Research project

Understanding the interaction between surfaces coated with polymers and model biopolymers

Time period:

31 October 2016 – 30 October 2019 (36 months)

Location:

Centre for Colloid and Surface Science (CSGI) c/o University of Bari Aldo Moro, Chemistry Department, in via Orabona 4, 70121 Bari, Italy.

Job Requirements

CSGI is looking for an early – stage researcher (i.e. in the first 4 years of his/her research career and without a doctoral degree) with a degree in Chemistry, Chemical Engineering, Material Science or related subjects with the following profile:

the candidate must possess a solid background in physical, analytical and synthetic chemistry; he/she should possess basic knowledge in the chemistry of surfaces, polymers and colloids,

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including the main characterization techniques.

The research project is focused on the impact of polymers on the modification of surfaces, aiming at preventing the adhesion or enhancing the removal of target species (molecules, model polymers, etc).

The most diffused experimental techniques to characterize surfaces and solutions will be systematically used during the project. Training will include X-ray photoelectron spectroscopy (XPS), electron and optical microscopies (TEM, SEM, LSCM), dynamic light scattering, solution and surface zeta-potential, electrochemistry (CV).

According to the EU mobility rule, candidates **MUST NOT** have resided or carried out their main activity (work, studies, etc..) in Italy for more than 12 months in the last 3 years.

Salary and benefits

In accordance with the MSCA regulations, the selected candidate will receive a monthly gross salary of Euro 3318,37. In addition, he/she will receive a mobility allowance up to Euro 600 per month and a family allowance up to Euro 500 per month where applicable. The salary will be subjected to tax according to national regulations.

Further details may be obtained by writing to Prof. Gerardo Palazzo: gerardo.palazzo@uniba.it

All candidates **MUST SEND**:

1. "curriculum vitae et studiorum" and list of publications;
2. degree certificate in free paper with the scores of each exams and final evaluation;
3. list of all titles and documents that can be relevant for the selection.

Please report the CALL ID in the subject of the email.

All applications must arrive by email within 16/10/2016 at bioclean@csgi.unifi.it.