

# 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  
tel. 055-4573033  
e-mail [baglioni@csgi.unifi.it](mailto:baglioni@csgi.unifi.it)

CALL ID: CSGI-CA-03/2019

## Open position for a researcher within the EU Project "ICARUS, Innovative Coarsening-resistant Alloys with enhanced Radiation tolerance and Ultra-fine – grained Structure for aerospace application"

The Center for Colloid and Surface Science (CSGI) – University of Cagliari is partner of the Project "Innovative Coarsening-resistant Alloys with enhanced Radiation tolerance and Ultra-fine –grained Structure for aerospace application" (n. 713514), financed by the European Programme Horizon 2020, call H2020-FETOPEN-2014-2015-RIA.

CSGI offers a position as a researcher in the framework of the ICARUS project. The fellow will have the possibility to work at world–class scientific level in multidisciplinary and international teams.

Time period: March 1<sup>st</sup>, 2019 – August 31<sup>st</sup>, 2019

Location: University of Cagliari, Department of Mechanical, Chemical, and Materials Engineering, Via Marengo 3, 09123 Cagliari, Italy.

### Job Requirements:

CSGI is looking for a high motivated and creative researcher with a Master Degree in Chemical Sciences or Physical Sciences or Engineering (or equivalent) with the following expertise:

- Mechanical processing of powder by ball milling aimed at the mechanical alloying of metals, the fabrication of nanocomposites, the preparation of nanostructured materials, the activation of chemical transformations.
- Characterization of structural, microstructural, physical and chemical properties of bulk and nanostructured inorganic solid phases by (i) quantitative X-ray diffraction, (ii) differential scanning calorimetry, differential thermal analysis, and thermogravimetric analysis (iii) scanning and transmission electron microscopy including preparation of samples by conventional polishing and focused ion beam, local structural and chemical mapping, image analysis.

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

Gross salary: up to EUR. 15.000 € for the time period above specified.

All candidates must send:

1. a signed application letter specifying: surname and name, date of birth, address, e-mail and

Segreteria  
Via della Lastruccia, 3  
50019 Sesto Fiorentino (FI) – Italia  
Codice fiscale e partita IVA: 04519240487

tel 055 457(3034)(3147)(3035)  
[manola@csgi.unifi.it](mailto:manola@csgi.unifi.it)  
[emanuela@csgi.unifi.it](mailto:emanuela@csgi.unifi.it)  
[baldereschi@csgi.unifi.it](mailto:baldereschi@csgi.unifi.it)

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- 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 February, 22 2019.  
Please report the CALL ID (CSGI-CA-03/2019) 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, January 24, 2019.