

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

CALL ID: CSGI-CA-11/2018

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 - ICARUS" (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: September 1st 2018 – August 31st 2019

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

Job Requirements & Description:

CSGI is looking for a talented researcher with a Master Degree in Chemical Sciences or Physical Sciences or Engineering (or equivalent) and a Ph.D. 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.

Type of contract and gross salary: temporary contract for a period of one year

Gross salary: up to 30.000€ for the period above specified

All candidates must send:

1. a signed application letter specifying: surname and name, date of birth, address, e-mail and telephone number;
2. curriculum vitae et studiorum including the coordinates of two contact persons;
3. Bachelor's Degree and Master's Degree certificates;
4. the list of all titles, documents and publications that can be relevant for the selection;

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All applications must arrive by email no later than August 24, 2018 to segreteria@csgi.unifi.it
Please report the CALL ID (CSGI-CA-11/2018) in the subject of the email.

An interview by the evaluating committee might be requested, which 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).

For information, you can write to Prof. Antonio Mario Locci to segreteria@csgi.unifi.it

Sesto F.no, July 23, 2018