



CONSORZIO INTERUNIVERSITARIO NAZIONALE PER LA SCIENZA E TECNOLOGIA DEI MATERIALI

Announcement of Selection nr. 01/17 Publication date 17 January 2017

1 position for a Post-doctoral chemist or a researcher with at least 5 years of scientific activity after graduation in Industrial Chemistry in H2020 A-LEAF research project.

In the framework of the H2020 FET Proactive 2016 Project A-LEAF: "An Artificial Leaf: a photo-electro-catalytic cell from earth-abundant materials for sustainable solar production of CO₂-based chemicals and fuels", one position is available at the INSTM Research Unit of Messina, Department ChiBioFarAm, University of Messina.

Project: Synthesis and advanced characterization of electrodes for eletro-catalytic reduction of CO₂ to fuels combined with photo-catalytic water splitting.

The main activities of the applicant will be focused on the development of a photoelectrocatalytic (PEC) reactor for the synthesis of fuels or chemicals using water, CO₂ and sunlight. The objective is to prepare the electrodes using different innovative methods of earth-abundant metal nanoparticles deposition on conductive supports, its electrochemical and photochemical activity testing as well as its assembly in the reactor. The technical and scientific reporting for the project is also required.

Scientific Responsible: Prof. Siglinda Perathoner

Our Offer: the position is for a "Ricercatore Junior 2". The monthly gross salary will be about € 1.805,00 in accordance with the INSTM internal rules. The health insurance is covered by the social security system.

Starting date and duration: approx. February 2017. Duration 36 month.

Your profile: Post-doctoral researcher with at least 5 years of scientific activity after graduation in Industrial Chemistry with a solid basis in catalysis, material science and chemical engineering. In the position as supervisor in the synthetic and characterization laboratories, you will perform directly or oversee the daily research activities working with students and younger researchers. Knowledge of the main characterization techniques (chromatographic, spectroscopic, electrochemical, photochemical, bulk and surface analyses) used in catalysis are required, as well as good fluency in English language and skills in managing the scientific literature.

Deadline: 27 January 2017

How to apply: Please submit your motivation letter + detailed CV by e-mail to the scientific coordinator of the A-LEAF project, prof. Siglinda Perathoner, perathon@unime.it and to the INSTM administrative office, segreteria@instm.it

Please quote the Announcement number in the e-mail subject.

INSTM, in its sole judgment, reserves the right not to hire somebody, should the applications received, being unsuitable against the subject of the announcement or the expertise needed.

In any case, INSTM, based on actual needs, convenience or opportunity, in its sole judgment and without notification, reserves the right not to open the position.

In order to comply with Italian law (art. 23 of Privacy Law of the Italian Legislative Decree n. 196/03), the candidate is kindly asked to give his/her consent to allow Consorzio INSTM to process his/her personal data.

We inform you that the information you provide will be solely used for the purpose of assessing your professional profile to meet the requirements of Consorzio INSTM. Your data will be processed by Consorzio INSTM, with its headquarters in Florence, Via Giusti 9, acting as the Data Holder, using computer and paper-based means, observing the rules on the protection of personal data, including those relating to the security of data. Please also note that, pursuant to art.7 of Legislative Decree 196/2003, you may exercise your rights at any time as a party concerned by contacting the Data Manager.

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