

SCHOLARSHIPS IN SANTIAGO GRISOLÍA PROGRAMME, 2014

A predoctoral position (scholarships) at Photovoltaics and Optoelectronic Devices Group in University Jaume I- Castellón under the Framework of Grisolia Grant- Generalitat Valenciana

Purpose

The purpose of this call is to grant scholarships for the training of research personnel in research bodies in the Valencian Community. The goal of these scholarships is to train qualified personnel for R&D tasks, and is aimed at university degree holders from non-Spanish universities, within the corresponding field of research

Requirements of beneficiary

These scholarships are open to people fulfilling the following requirements within the period of submission of applications:

- a) A degree from a non-Spanish university in the field of the sciences corresponding to the area of research to which the applicant is applying.
- b) Having obtained degree after 1 January 2012.
- c) Knowledge of spoken Spanish or English adequate for the development of the tasks involved in the proposed training.
- d) Not being in possession of a PhD.

Scholarship period

The period of validity covered by the scholarships is two years or until defending one's doctoral thesis, should this be earlier.

If, in the period of one month before the end of the scholarship, the beneficiary applicant has obtained the university master's degree, or has been admitted to a doctorate programme in research phases, he/she may apply for an extension of an additional scholarship up to 12 months, with a view to prolonging his/her research period.

Scholarship stipend

1. Scholarships' stipend will be €1,200 monthly (gross). The corresponding IRPF (income tax) will be deducted from this amount.

2. The scholarship also includes an additional stipend of:

- a) €1,600 to cover costs of travel and settling in Valencian Community, during the first year of the scholarship.
- b) €1,200 yearly, and if appropriate, for registration fees for master's during the two years of the scholarship.

The additional stipend will be paid by the research body at which the beneficiary is enrolled.

3. The research body shall take out an accident insurance and public liability insurance, plus health insurance with coverage for the whole period of the scholarship, if applicants are citizens of countries which have no arrangements with the Spanish Social Security or if insurance coverage of such arrangements were not sufficient.

Requisites for acceptance of applications

The scholarship candidate shall send the following documents to the head researcher of the project:

- a) Application form (signature may be scanned)
- b) Photocopy of national identity card of your country or equivalent, for applications from EU member countries. And also a photocopy of NIE (residency permit) if applicant is in possession of one.
- c) Photocopy of valid passport for foreign citizens not resident in Spain. And also NIE (residency permit) if applicant is in possession of one.

- d) Photocopy of official academic certificate including your academic title and grades obtained, together with dates, with translation into Spanish.
- e) Photocopy of academic degree or deposit made for the issuance of degree.
- f) Applicant's updated résumé
- g) Report on your participation in the research project.
- h) 2 letters of recommendation.
- i) Supporting documents of knowledge of Spanish or English.

How to apply

Please send all documents before the 15th of March 2015 at loles@nanoge.org

Description of the project to apply for the scholarship

Design, synthesis and characterization of nanostructured semiconductor photo-oxidation of water

The main objective of the present project is the development of efficient photoelectrodes for the production of solar fuels. Targeted materials for water oxidation will be metal oxides like Fe₂O₃ and BiVO₄, although the development of novel materials is also expected. Consequently, the synthesis of materials by different methods will be carried out in order to achieve performances beyond the current state of the art. Structural and optoelectronic characterization tools will be systematically employed in order to correlate the structural features of the developed materials with the functional properties and to understand the carrier dynamics of the systems.

Evaluation and selection of candidates

The application will be evaluated by the research body, and the head researcher of the project shall provide a shortlist of a maximum of three candidates sorted by score, according to the following scale:

- a) Academic record (30%)
- b) Experience related with the applied project (20%)
- c) Adaptation of the report to the specific requirements of applied project (30%)
- d) Letters of recommendation (20%)

Admission

Beneficiaries must join the corresponding research body within the scheduled period as provided in the award decision. In the event that he/she does not join within the scheduled period, the scholarship will be cancelled, unless the beneficiary has been granted an adjournment period.

Temporary suspension of scholarship

Authorized voluntary suspensions shall not exceed 6 months over the whole period of scholarship and during such suspension period no stipend shall be paid. The period of suspension cannot be recovered. If the holder does not return after the period of suspension has expired, it shall be understood that the beneficiary renounces the scholarship.