



Publish date Dicember 20th 2021

Ref. 88/2021

Code:

Project: FOTOCER

Area: Advanced Materials for Energy

Area leader: Prof. Joan Ramon Morante

Group: Solar Energy Materials and Systems, SEMS

Group leader: Prof. Alejandro Pérez Rodríguez

The Solar Energy Materials and Systems Group (SEMS) announces a pre-doctoral position (R1.1) in the frame of the FOTOCER, in the research line:

**ADVANCED CHARACTERISATION OF NOVEL MATERIALS FOR THIN FILM SOLAR CELLS BY APPLYING
COMBINATORIAL APPROACH**

The candidate will carry out a multidisciplinary scientific activity centred on the advanced characterization of different materials (chalcogenides and oxides) for the thin film solar cells for the optimisation of the processes and innovative strategies that are being developed in the frame of the FOTOCER project for the development of wide bandgap thin films devices.

Requisites: the candidates must have Bachelor and Master degree in Physics, Electronic Engineering, Materials Science or equivalent, or to show demonstrable working experience in a R&D laboratory for more than 2 years before the incorporation date. Previous experience on semiconductors materials research, and advanced Photoluminescence, Raman scattering and electrical characterization of chalcogenide compounds will be very well evaluated, together with demonstration of an international experience in different R&D centres and/or Universities, and participation in international projects.

Candidacy: send the CV, and Degree and Master records (or certificate justifying laboratory experience) to Prof. Alejandro Pérez-Rodríguez (aperezr@irec.cat) indicating Ref. 88/2021 in the subject of the e-mail.

Deadline: January 9th 2022

Duration of contract: 12 months, with possible extension.

For additional information, please contact Prof. Alejandro Pérez-Rodríguez (aperezr@irec.cat).