



Project no. **NMP4-LA-2011-284486**

Project Acronym: SCALENANO

Project title: Development and scale-up of nanostructured based materials and processes for low cost high efficiency chalcogenide based photovoltaics (Grant agreement no: 284486, ENERGY.2011.2.1-2)

Host Institution: Catalonia Institute for Energy Research - IREC

Area: Advanced Materials for Energy

Head of the Area: Prof. Joan Ramon Morante

Group: Functional Nanomaterials

Group Leader: Dr. Andreu Cabot

Call for Applications: Postdoctoral Research Position

The Functional Nanomaterials Group in the Advanced Materials for Energy Area of IREC announces a Postdoctoral Research Position available for a highly motivated candidate to work in the FP7 SCALENANO Project.

SCALENANO project proposes the development of alternative environmental friendly and vacuum free processes to achieve a much more efficient exploitation of the cost saving and efficiency potential of copper chalcogenide thin film photovoltaics. In particular, the project includes the exploration and development of alternative solution-processing technologies with very high potential throughput and process rate. The candidate will carry out a multidisciplinary activity with the final aim of the development and scale-up of new solution-based processes for the production of high efficiency and low cost nanoparticle-based photovoltaic devices.

Candidate must have a PhD degree in Chemistry, Physics, Material Science or equivalent. Previous experience in the production, assembly, manipulation, characterization and use of colloidal nanoparticles will very valuable for the position. The candidate will work in the framework of WP2 of the SCALENANO project: *Alternative high throughput processes for absorbers*.



Additional information:

- CV, personal references and a motivation letter have to be sent to Dr. Andreu Cabot (acabot@irec.cat).
- Deadline for applications: June 15th 2012, 12:00 AM (Spanish local time)
- Incorporation: 1st august 2012
- Duration of the contract: 14 months
- Gross salary: 32500 Euros/year

The recruitment process will follow the guidelines of the European Charter of Researchers. Further information can be directly obtained from: www.scalenano.com or Dr. Andreu Cabot (acabot@irec.cat).