

Postdoctoral contract at the Laboratory of Nanostructured Materials for Photovoltaic Energy

A 1-year position (with the possibility of extension depending on results) is available for Doctors in Chemistry (Materials Science or related) to work on Solar Cells. The work is related to the synthesis of new Nanostructured Materials, especially semiconductor oxides, and their application in Solar Cells (Dye sensitized and Hybrid Solar Cells). The position is open for the Laboratory of Nanostructured Materials for Photovoltaic Energy under Dr. Monica Lira-Cantu direction. The research will be focused on the preparation and characterization of new nanostructured materials, based on inorganic oxides and organic semiconductors. These nanomaterials will be use as the active layers in Hybrid Solar Cells. The work encompasses all the process involving photovoltaic devices: synthesis and characterization of nanomaterials, fabrication and characterization of nanostructured electrodes and fabrication and testing of complete solar cells.

- **Requirements:** the candidates must have a PhD in Chemistry, Materials Science, or related. Experience in synthesis of semiconductor oxides, solar cell characterization and electrochemistry will be evaluated.

- **Candidates should email the following:**

- 1) A full, updated CV
- 2) Motivation letter
- 3) Two letters of reference (recommended for candidates from Spain, but mandatory for candidates from abroad).

- **Submit information to:**

Dr. Monica Lira-Cantu

Laboratory of Nanostructured Materials for Photovoltaic Energy

Campus UAB, 08193, Cerdanyola del Vallés (Barcelona)

<http://www.cin2.es/english/staff-personnel-list-member.php?miembro=59>

E-mail: monica.lira@cin2.es

Telf.: +34 935868011