

Post-doctoral research fellow position in the area of Solid-State Microstructure of Semiconducting Polymers for Organic Photovoltaics



Job Description

The JaimeMartin Lab (www.jaimemartinlab.com) at CITENI, University of La Coruña (Ferrol, Spain), is seeking a **postdoctoral researcher** who is interested in the solid-state microstructure of semiconducting polymers.

The candidate will be working on the recently awarded **ERC-CoG project PARACRYST**

The candidate is anticipated to conduct fundamental investigations on the solid-state microstructure of semiconducting polymers for organic photovoltaics and on the physical processes resulting in such solid-state microstructure (e.g. crystallization, glass transition, etc.)

Main experimental methods he/she will be using are: ultrafast scanning calorimetry (Flash DSC), various synchrotron radiation techniques (GIWAXS, GISAXS, R-SoXS, etc.), TEM, etc.

1 year contract (with possibility of extension up to 2 years) is offered.

Starting date: first half year 2024

Minimum Skills:

Experience in the analysis of polymer materials by **fast scanning calorimetry** is a must (e.g., crystallization, glass transition, etc.). Experience in semiconducting polymers is a plus.

Requirements:

- PhD or equivalent degree in Materials Science, Chemistry, Physics or closely related disciplines.
- Hands-on experience on thermal characterization of polymeric materials.
- Capable of working independently in a team environment with minimum supervision
- Excellent English communication skills both written and verbal
- Strong work ethic, self-motivation.

Applications

Applications should be submitted by email to Dr. Jaime Martin (jaime.martin.perez@udc.es) and must include:

- (i) curriculum vitae highlighting the suitability of the candidate for the post
- (ii) 2 recommendation letters.

For further information or queries, please contact jaime.martin.perez@udc.es