

## 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](http://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 (i) conduct fundamental investigations on the solid-state organization of semiconducting polymers for organic photovoltaics and (ii) establish relevant structure-properties interrelationships. Main experimental methods he/she will be using are: ultrafast scanning calorimetry (Flash DSC), various synchrotron radiation techniques (GIWAXS, GISAXS, R-SoXS, etc.) light spectroscopies, AFM, 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 structural characterization of polymers is a must (e.g., polymer crystallization). Experience in general polymer physics (e.g. the glass transition, blends, etc.) and in semiconducting polymers is a plus. Experience in TEM characterization is also a plus.

### Requirements:

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

### Applications

Applications should be submitted by email to Dr. Jaime Martin ([jaime.martin.perez@udc.es](mailto: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](mailto:jaime.martin.perez@udc.es)