Universidad de Valladolid

UVa

Were you recently awarded a PhD on perovskite growth / characterization?
Are you looking for a postdoctoral stay?

We are looking for **a highly motivated experimentalist postdoctoral researcher with experience in growth / characterization of hybrid perovskites** for solar energy applications to join our group of Spectroscopy in Optoelectronic Materials at the University of Valladolid (UVA), Spain.
The postdoctoral researcher will be focusing on **optical characterization of nanostructured perovskites for solar cells**, applying micro-Raman, TERS, and cathodoluminescence (CL), among other techniques.

Required qualification:

- PhD in Physics / Chemistry / Nanotechnology related to either growth or characterization of hybrid inorganic-organic perovskites with excellent academic record
- Experience with fundamentals of Raman spectroscopy and photoluminescence
- Access to high quality nanostructured hybrid perovskite films
- High motivation, pro-activity and autonomy
- Good communication skills and teamwork attitude
- Fluent in English

Additional experience on these fields will be highly valued:

- Experience with optical and structural characterization (SEM, TEM, AFM, CL, PL, microRaman, TERS).
- Experience with Synchrotron radiation techniques applied to characterization of thin films, nanostructures, and perovskites.

The researcher will be based in the stimulating multidisciplinary environment of the University of Valladolid (Valladolid, Spain) and will also benefit from strong collaborations with international experimental and theory groups. He/she will be using a state-of-the-art Horiba Soleil Raman-AFM, and Zeiss LEO FESEM-CL setup for perovskite characterization. Measurements in synchrotrons and participation in international conferences are also planned.

12 months contract is offered with possible extension. **Expected start: September 2023**.

We look forward to receiving your application, including a cover letter (indicating motivation and skills), a CV and the contact details of at least two academic referees. Applications and questions should be sent to Dr. Jorge Serrano jorge.serrano@uva.es

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