



Post-doctoral position in material science

University of Cantabria · Department of Applied Physics
Santander, Spain

Job description

The Department of Applied Physics, University of Cantabria, Spain, invites qualified candidates for a postdoctoral position in Material Science. The successful candidate will join a multi-disciplinary team focusing on the synthesis and characterization of nanoparticles with luminescence properties.

Your position

- Synthesis of RE³⁺-doped sesquioxides with and without protective shell.
- Structural characterization through powder x-ray diffraction.
- Spectroscopic characterization using Raman, fluorescence and time-resolved techniques.
- Work in a multidisciplinary environment (collaboration with chemists, physicist and engineering)
- Writing of scientific publications, patents and proposal to European large facilities

Desired skills, knowledge and experience

The successful candidate holds a PhD in Physics, Chemistry, Material Science, or related fields). Expertise in synthesis of inorganic materials, structural characterization and fluorescence spectroscopy, with an excellent track record in the publication of peer-reviewed scientific articles and/or patents. A good understanding of solid-state physics and electronic properties. Excellent communication and interpersonal skills. Proven abilities of disseminating research giving academic talks. Candidate's PhD should not be more that five years in the past.

We offer you

All the infrastructures available and the possibility to conduct a cutting edge research in a young, dynamic, innovative scientific working environment. Conditions of employment and salary are defined by the salary regulations of the University of Cantabria.

Application/Contact

Please submit your resume, a letter of motivation and at least two referees to this addresses: Prof. Rafael Valiente (valientr@unican.es) and Dr. Rosa Martín-Rodríguez (rosa.martin@unican.es).