

## PhD Offer: Join Our Research Group at the University of Oviedo, in Gijón, Spain!



### What we offer?

- **1-year full-time contract** associated with the project *NanoTherMAG*.
- Cutting-edge research on the magnetic and structural characterization of tailored magnetic nanoparticles for medical applications, focusing on thermal therapies.
- Access to the infrastructure at the University of Oviedo and state-of-the-art techniques at European synchrotron and neutron facilities.
- Opportunity to contribute to groundbreaking research and develop experimental setups for *in vitro* and fundamental studies.

### What are we looking for?

- A **graduate in Physics, Materials Science, or similar fields**. Candidates with a Master's degree related to the project are highly encouraged to apply.
- Strong interest in research and motivation to pursue a **PhD** in our group after the initial contract.
- Knowledge in ferrites, nanomagnetism, and advanced characterization techniques is a plus.
- Enthusiasm for working in a collaborative, international research environment.

### What's next?

We are seeking candidates who aim to continue their research journey by pursuing a PhD with us. We will actively encourage and support participation in national and international funding opportunities to extend your research career.

 **Contact:** [marcanolourdes@uniovi.es](mailto:marcanolourdes@uniovi.es)

 **Project Title:** *NanoTherMAG*

### Summary:

This project focuses on the systematic study of magnetic nanoparticles tailored for medical applications, aiming to understand and optimize their behavior for photothermia and magnetic hyperthermia. The role includes magnetic and structural characterization using advanced techniques (e.g., XANES, EXAFS, XMCD, XPEEM), experimental setup design, and presenting results at national and international forums.

Join us in beautiful Gijón, Spain, and contribute to impactful research at the forefront of nanomagnetism and medical applications!  