

## PhD position on nanoscale materials for emerging computing technologies

*There is an open research opportunity to perform innovative research in nanoscale magnetic materials. The candidate, who should have a master degree or be close to its completion, will delve into research for applications of nanoscale materials in emerging non-conventional computing paradigms inspired by the brain's neural connectivity. Over 4 years the candidate will have the chance to develop theoretical and experimental models in this context. All applicants should be passionate for science, highly motivated and enjoy working and collaborating closely within an international team.*

### Description

We offer an open position to a candidate eager to launch his/her scientific career in nanoscale magnetic materials and carry out PhD studies in an international environment. The candidate, who requires a master degree or close to its obtention, will develop expertise in cutting-edge areas of nanoscale magnetism for emerging computing paradigms inspired in brain's neural connectivity.

Over 4 years, the candidate will have the chance to convey his/her excitement in gaining invaluable expertise in theoretical and experimental work. You will be part of a leading, interdisciplinary project in materials science, with access to state-of-the-art technology and instrumentation.

All applicants should be enthusiastic for science, eager for learning and exploring, highly motivated, enjoy working and collaborating closely within an international team.

**Duration:** Up to four years.

**Research Centre:** Instituto de Ciencia de Materiales de Madrid (ICMM-CSIC), Madrid

### Responsibilities and opportunities:

- Collaborate and support leading researchers, and conducting experiments and theory.
- Master operation and maintenance of equipment and instrumentation.
- Play a key role in development and optimization of research techniques, methodologies.
- Engage and collaborate with other researchers and contribute to shaping future research directions.
- Contribute to a positive and productive work environment, fostering innovative research avenues.

### Qualifications and experience:

- Master's degree (or near completion) in Physics, Materials Science, Chemistry or a related field.
- Proactive approach, strong problem-solving skills, and the ability to thrive in a collaborative, international research environment.
- Excellent communication skills in English; knowledge of Spanish is a plus.

### Application Procedure and Submission deadline:

- Interested candidates are invited to submit a motivation letter, CV, contact information for one or two references, and academic transcripts.
- Please include "My Application – YOUR NAME AND SURNAME" in the email subject line.
- Applications will be accepted until the position is filled.

**Contact Information:** For further information, please contact Dr. Jose A. Fernandez-Roldan: [jose@icmm.csic.es](mailto:jose@icmm.csic.es)