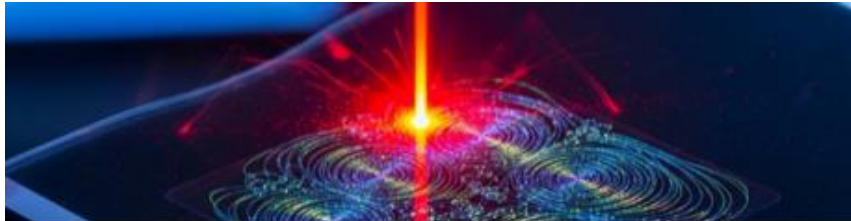


PhD Fellowship opportunity - Towards Light-Induced Spin Textures

🔔 **IMPORTANT:** Only for EU citizens AND applicants with a Spanish residence permit.

👤  **ONE-LIFE TIME Opportunity:** 4 Years + PhD Tuition Costs + Research Stays + Severo Ochoa Excellence.



We are seeking a new candidate for a groundbreaking research project exploring the feasibility of **optical manipulation of spatial magnetization in two-dimensional (2D) materials**.

WHERE? At the **ICMM-CSIC, Madrid**, a newly **awarded Severo Ochoa Centre of Excellence** dedicated to pioneering applications of emerging materials and their transformative potential, with theory groups leading the path towards novel applications using emerging quantum materials.

WHEN? Planned start date: **Late 2026**

WHO? Supervised by a team with complementary expertise in:

- **Quantum Dynamics of Materials (QUDYMA):** Specialists in light-matter interaction phenomena.
- **Nanomagnetism and Magnetization Processes Group:** Experts in nanoscale magnetic computational modeling.

REQUIREMENTS:

- Master's degree in Physics or a related field (≥ 300 ECTS). Demonstration of good English proficiency.
- Strong background in condensed matter theory, many-body theory, or optics.
- Experience in computational modeling and magnetization dynamics will be considered.
- Interest in high-performance computing (HPC) simulations.
- **Essential: EU citizenship or Spanish residence permit.**

CONDITIONS:

- Full-time PhD contract (up to 4 years) with increase up to ~€2,029/month beyond 3rd year.
- ~€6,860 available for PhD tuition and international research stays.
- Comprehensive training in condensed-matter theory, many-body theory, and advanced HPC programming, including a career development plan and a planned 3-month research stay abroad.

APPLY NOW!

Send applications and short CV by email jose@icmm.csic.es & antonio.picon@csic.es.