

ICMAB OFFERS NINETEEN RESEARCH PROJECTS

We are pleased to announce our participation in the JAE Intro 2025 program, offering nineteen different research fellowships for undergraduate and master's students interested in cutting-edge scientific projects:

DEADLINE: MAY 9, 2025

- ICMAB-01: Design of functional molecular-based materials for sensing and FETs components
 - Principal Investigator: Núria Aliaga Alcalde, FUNNANOSURF group
- ICMAB-02: Preparación y caracterización de capas finas de materiales magnéticos con nuevas funcionalidades: Altermagnets
 - Principal Investigator: Lluís Balcells, ACNM group
- ICMAB-03: Síntesis con CO₂ supercrítico de catalizadores [Cobre@MOF] para la hidrogenación de CO₂ a metanol
 - Principal Investigator: Concepción Domingo, SSC group
- ICMAB-04: Curcuminoids-based responsive materials for (bio)sensors and bacterial treatment
 - Principal Investigator: Arántazu González Campo, FUNNANOSURF group
- ICMAB-05: Magnetic Nanocomposites for Remotely Activated Wound Dressing Platforms
 - Principal Investigator: Pablo Guardia Girós, NN group
- ICMAB-06: Patient-Derived Tumor Organoids as Cancer Models based on 3D Biohybrid Hydrogels
 - Principal Investigator: Judith Guasch Camell, DBCI group
- ICMAB-07: Many-Body Approaches to Strongly Correlated Quantum Materials
 - Principal Investigator: Gervasi Herranz Casabona, MULFOX group
- ICMAB-08: Health parameters and genetic screening of the microplastics exposures using *C. elegans*
 - Principal Investigator: Anna Laromaine Sagué, NN group
- ICMAB-09: Síntesis de derivados tritilos para aplicaciones biomédicas
 - Principal Investigator: Vega Lloveras Montserrat, NANOMOL-BIO group
- ICMAB-10: Desarrollo de Materiales (Foto)catalíticos Avanzados para la Producción de Hidrógeno Verde
 - Principal Investigator: Ana María López Periago, SSC group
- ICMAB-11: Inteligencia Artificial para la Parametrización de Propiedades Mecánicas de Materiales a partir de Imágenes de Microscopía de Fuerza Atómica
 - Principal Investigator: Daniel Martín Jiménez, SURFACES group
- ICMAB-12: Characterization of nanoparticle biological effects in cancer models
 - Principal Investigator: Esperanza Medina Gutiérrez, SSC group
- ICMAB-13: Advancing Antimicrobial Efficacy of Boron-Containing Photosensitizers Activated by Visible Light
 - Principal Investigator: Rosario Nuñez Aguilera, LMI group
- ICMAB-14: Nano-Engineered High-Temperature Superconductors for Quantum Devices
 - Principal Investigator: Anna Palau Masoliver, SUMAN group
- ICMAB-15: Engineering long-circulating polymeric nanomedicines for targeted drug delivery in cancer
 - Principal Investigator: Juan Pellico Sáez, NN group
- ICMAB-16: Fabrication and Characterization of Organic Solar Cells for Space Applications
 - Principal Investigator: Sergi Riera Lorente, NANOPTO group
- ICMAB-17: Biocellulose for probiotic properties
 - Principal Investigator: Anna Roig Serra, NN group
- ICMAB-18: Nanoengineering of new 1D van der Waals solids
 - Principal Investigator: Stefania Sandoval, SSC group
- ICMAB-19: Design, synthesis and characterization of nanoparticles for cancer treatment
 - Principal Investigator: Gerard Tobías Rossell, SSC group

