

Research lines

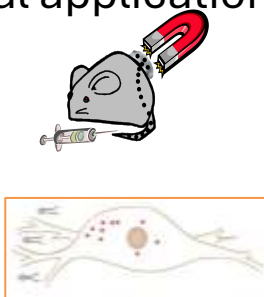
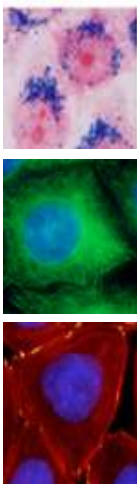
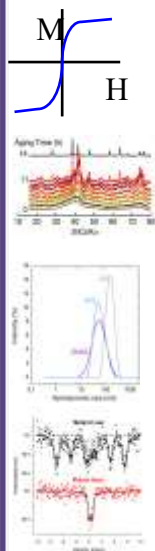
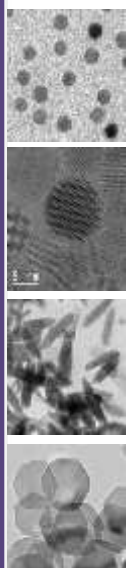
Nanoparticles
Synthesis

Characterization

Cells

Animals

Biomedical applications



Who we are



Magnetic Nanoparticles for Biomedical Applications

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Materials for Medicine
and Biotechnology
Group (MaMBIO)



CSIC icmm



Instituto de Ciencia de Materiales de Madrid (ICMM - CSIC)

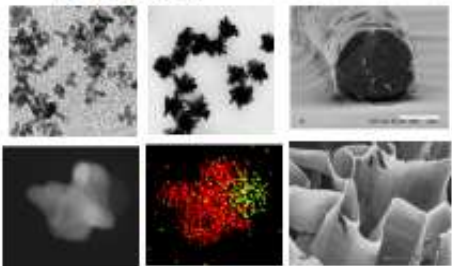
Design of nano materials for biomedical and environmental applications

(NANO)MATERIALS SYNTHESIS/FABRICATION

Iron oxide nanoparticles



Metal hybrids (Fe, Au, Pt)



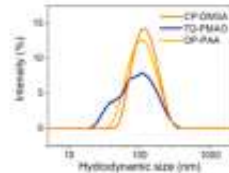
3D graphene- based materials



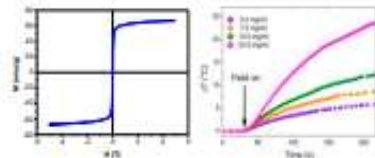
Magnetic natural hydrogels

(NANO)MATERIALS CHARACTERIZATION

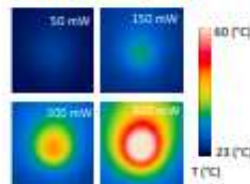
Colloidal properties



Magnetic properties

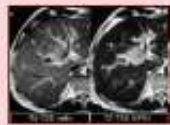


Thermo-optical properties



BIO APPLICATIONS

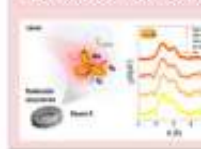
Contrast agents



Drug delivery



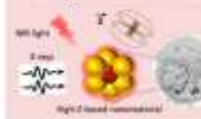
Nanothermometry



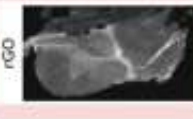
Tissue regeneration



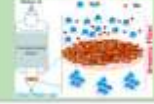
Multifunctional hyperthermia



Neural repair



Contaminants removal



CO₂ capture and hydrogenation



Production of green H₂



M. Puerto Morales



Research Professor
PhD Chemistry

Sabino Veintemillas



Senior Researcher
PhD Chemistry

Conchi Serrano



Tenured Scientist
PhD Biology

Ana Espinosa



Tenured Scientist
PhD Physics

Juan Víctor Caz

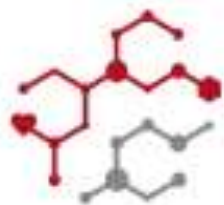


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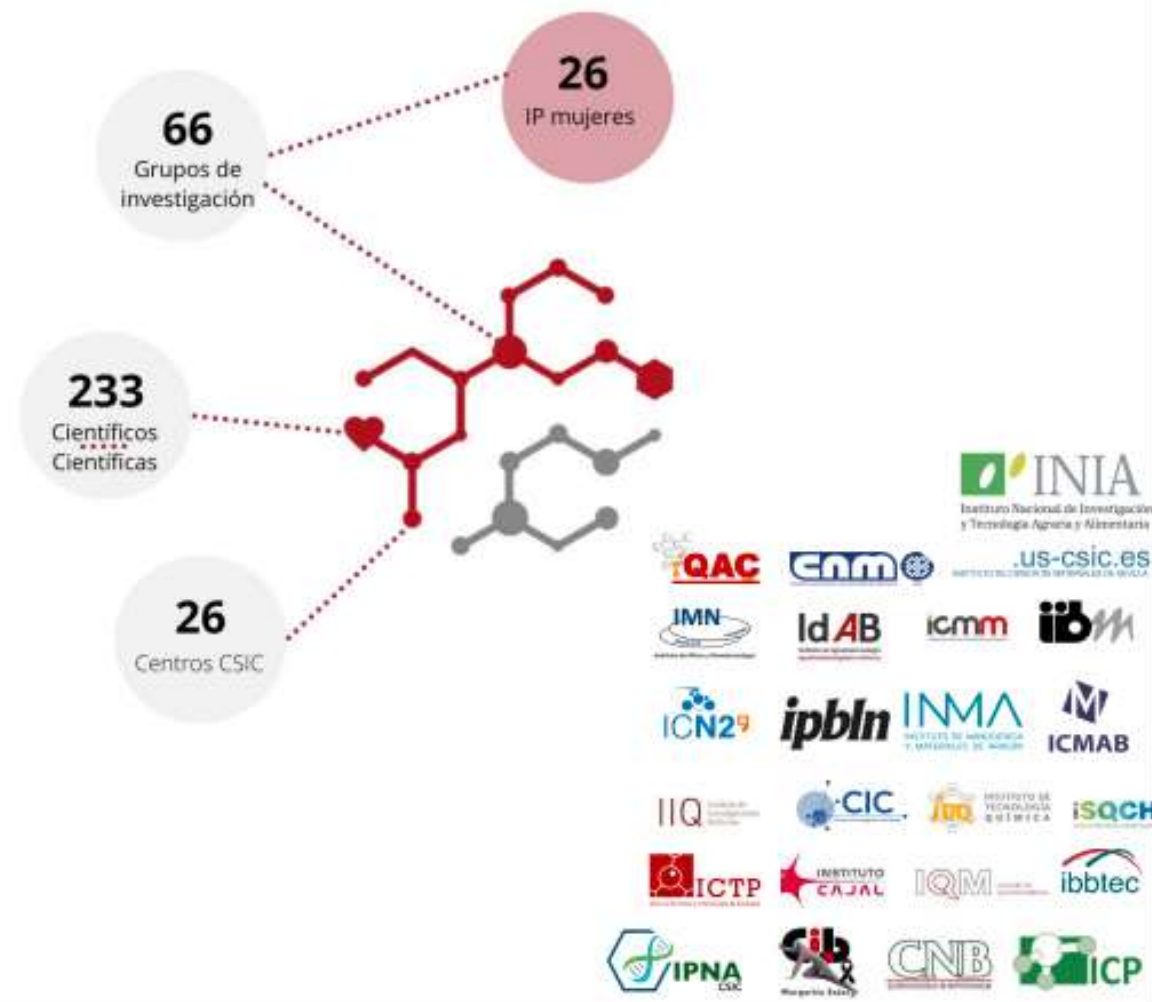
Conexión
Nanomedicina
CSIC



CSIC



To promote collaboration, technological transfer and outreach among CSIC groups working on nanomedicine



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