* **Helena Gavilán Rubio** – Principal Investigator
* **Fernando Martín Garrido** – PhD Student

Fernando obtained his Master’s degree in chemical technology from the Complutense University of Madrid under the supervision of Prof. José Osio Barcina and Prof. María José Mancheño. His investigations focus on the design of metal oxide nanocrystals with magnetic and plasmonic properties through the use of wet-chemical routes and pulsed laser irradiation.

* **M. Herrera Serrano** – MSc Student

M. Herrera-Serrano is a Master’s student in Materials Chemistry for Future Technologies with a strong background in nanomaterials synthesis and characterization. He completed his Bachelor’s thesis under the supervision of Prof. Dr. Helena Gavilán. His current Master’s research centers on the colloidal synthesis of magnetic nanoparticles for biomedical applications and the development of magnetic field-directed assembly methods"

* **A. Treceño de Martín**– MSc Students

Alma Treceño de Martín is a Master’s student in Materials Chemistry for Future Technologies. Her work involves the development of hybrid multifunctional nanomaterials for biomedical applications and the evaluation of the magnetic properties and heat dissipation of these systems under alternating magnetic fields using inductive magnetometry.

* **J. Marco Cuenca Juberías** – Research Staff Hired for Scientific and Technical Activities (PLI contract)

J. Marco Cuenca Juberías holds a Master’s degree in Science and Chemical Technologies under the supervision of Prof. Andrés Guerrero Martínez at the Complutense University of Madrid (UCM). He joined the group as a research staff member under a Scientific-Technical Activities (PLI) contract, contributing to several research lines. His work focused on optimizing scalable synthesis protocols for magnetic nanoparticles, and he contributed to the development of hybrid magnetic nanomaterials and explored template-free fabrication methods for reconfigurable magnetic superstructures.

**VISITING RESEARHCERS**

* Zhu Peng Shen Lin – PhD Student from UC3M (Spain)

Zhu Peng Shen Lin is a visiting Ph.D. candidate in Materials Science and Engineering (UC3M, Spain) with expertise in electrochemistry and nanomaterials. His research focuses on the design and application of advanced materials, including polymer nanofibers, MXenes, magnetic nanoparticles, and their integration into energy storage devices such as supercapacitors.

* **Pauline Rooms** – PhD Student from Ghent University (Belgium). \*Her stay was funded by an **STSM from NexMPI COST Action**.

Pauline Rooms is a Ph.D. researcher in Chemistry focused on the synthesis and characterization of magnetic nanoparticles (MNPs) for hyperthermia applications. During a Short-Term Scientific Mission (STSM) within the NexMPI COST Action, she studied magnetic nanoflowers to evaluate their suitability for combined magnetic particle imaging (MPI) and magnetic particle hyperthermia (MPH), linking structural properties to magnetization behavior.