

Prof. M.J. Alonso Lab

Postdoctoral Researcher for a project on nanotechnology for T cell transfection

CIMUS, University of Santiago de Compostela

Project focus

Development of an RNA-delivery nanotechnology platform in primary human immune cells.

Requirements

- PhD in an appropriate discipline (Biochemistry, Pharmacy, Biology, Immunology, Biomedical Engineering, Nanomedicine, Materials Science or similar).
- Proven expertise in micro/nanoencapsulation technologies, with a strong focus on polymer- and lipid-based nanoparticle systems for RNA delivery.
- Advanced skills in nanoparticle physicochemical characterization (DLS, NTA, zeta potential, TEM/SEM, encapsulation efficiency) and analytical techniques (HPLC, LC-MS, SEC), plus GMP-compliant manufacturing protocols.
- Experience in RNA transfection/delivery into primary immune cells, including *in vitro* functional assays (flow cytometry, viability/proliferation).
- Excellent scientific writing, presentation skills, and track record of high-impact publications/patents.
- Upper-intermediate level of English or higher, knowledge of Spanish is desirable.

Funding and Duration

Full-time position. The post is funded for one year with the possibility of extension.

Project funded by the IGNICIA Program of the Galician Innovation Agency of Xunta de Galicia.

To apply, please send your CV and cover letter to: purificacion.dominguez@usc.es

Application deadline: 1 February 2026.