



Postdoctoral Position (2026 Juan de la Cierva call)

Department of Immunology and Oncology

A postdoctoral position is available in the Nuclear Receptor Signalling Laboratory at the Spanish National Centre for Biotechnology (CNB-CSIC), Madrid, Spain.

Principal Investigator: Mercedes Ricote, Nuclear Receptor Signalling Group. More information about the group can be found at:

<https://www.cnb.csic.es/investigacion/departamentos/inmunologia-oncologia/nuclear-receptor-signaling/>

Details about the Juan de la Cierva call are available at:

<https://www.ciencia.gob.es/Convocatorias/2026/JDC2026.html>

Our laboratory investigates how transcriptional and epigenetic mechanisms regulate metabolism and immune function, with a particular focus on nuclear receptors. Building on recent discoveries from our group (J Exp Med 2026, Nature 2023, Blood 2023, Nature Communications 2020), we are currently exploring how maternal-derived signals influence neonatal metabolic and immune development.

The PhD project will examine how maternal diet and environmental factors shape metabolic and immune programming during early life. We aim to understand how maternal diet regulates transcriptional and epigenetic pathways controlling metabolism and immune homeostasis under physiological and disease conditions. The project combines mouse genetics, immunology, metabolism, and systems biology approaches, including tissue-specific knockout mouse models, next-generation sequencing technologies (bulk RNA-seq, scRNA-seq, ChIP-seq, ATAC-seq), proteomics, metabolomics, and bioinformatics analyses.

Candidate requirements:

- ❖ PhD title in life or biomedical sciences
- ❖ Publication track record in international peer review journals
- ❖ Experience in cell cytometry and sequencing technologies
- ❖ Previous research experience in molecular biology and mouse models will be valued
- ❖ Additional experience in genomics and/or bioinformatics analysis will be a plus (R and/or Python language)
- ❖ Solid communication skills in English

The successful candidate will join a highly collaborative and internationally recognized research group within a Severo Ochoa Centre of Excellence, with access to state-of-the-art facilities and advanced technological platforms.

Interested candidates should submit a cover letter and CV to: mm.ricote@cnb.csic.es