

# SALAMANCA CANCER RESEARCH CENTER (CIC)

## Postdoctoral Fellow or Experienced Researcher - Control of Protein Synthesis and Tissue Homeostasis

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### Position Description

We are seeking a Postdoctoral Fellow or Experienced Researcher to join the group of **Mercedes Dosil**. Our research focuses on the regulation of ribosome abundance and its fundamental role in cellular homeostasis, differentiation, and animal physiology.

The successful candidate will work on a new research line integrating our established molecular approaches with *in vivo* transgenic mouse models. This is an excellent opportunity for a researcher interested in bridging the existing gap between fundamental ribosome biology and complex systemic physiology.

### Responsibilities

- Design and execute experiments for molecular and organismal studies.
- Generate and characterize mutant-gene and altered-gene expression cell lines.
- Conduct advanced microscopy, protein/RNA-interaction assays, and ribosome production analysis in cell lines and mouse embryonic fibroblasts (MEFs).
- Conduct primary phenotypic and physiological analysis of transgenic mouse models.
- Analyze datasets, interpret results, and prepare findings for publication.

### Qualifications

#### Required:

- PhD in Biosciences (or 3+ years of documented post-graduate experimental research).
- Strong background in Molecular Biology, Biochemistry, and/or Cell Biology experimental work.
- Hands-on experience with gene overexpression, editing (CRISPR), or silencing systems.
- Familiarity with primary cell culture and/or mouse physiological phenotypic analysis.
- A proven track record of research productivity (publications, communications).

#### Preferred:

- Experience in characterization of protein modifications or regulatory mechanisms.
- Experience with studies involving mice.

### Compensation, duration and starting date

- The position is offered for an initial period of 15 months, with possibility of renewal for up to three years.
- Preferred incorporation is May or June 2026.
- Salary commensurate with the candidate's experience, following the University of Salamanca salary scales.

### About the Institution

The CIC is a leading multidisciplinary center (USAL-CSIC) with a vibrant scientific community dedicated to excellence in research of cellular mechanisms involved in cancer (<https://www.cicancer.org>).

### Application Instructions

Please submit a CV, including a brief statement of research interests, and contact information for two references to Mercedes Dosil ([mdosil@usal.es](mailto:mdosil@usal.es)). Applications will be reviewed on a rolling basis until May 15, 2026.