

OPEN POSTDOC POSITION

Néstor García-Rodríguez lab Replication stress and cancer

What we study:

We are interested on studying how cells deal with **DNA replication stress**, a hallmark of cancer cells. To ensure the completion of DNA synthesis in the presence of lesions, cells have evolved DNA damage tolerance mechanisms. These pathways operate at stalled replication forks or act post-replicatively at single-stranded DNA **gaps** left behind the forks due to re-priming by PrimPol. Notably, recent discoveries have identified these gaps as a **cancer vulnerability**. Our research seeks to unravel the **regulation of gap formation and repair** using diverse experimental approaches, with the ultimate goal of uncovering new strategies for **cancer treatment**.

Recent publications:

Salas-Lloret et al (2024). Nature Communications. <https://doi.org/10.1038/s41467-024-48427-6>

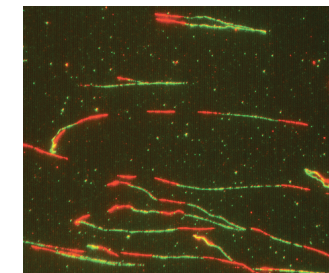
García-Rodríguez et al (2024). Nucleic Acids Research. <https://doi.org/10.1093/nar/gkae317>

More info:



What we are seeking:

- A highly motivated PhD in Molecular/Cell biology or relative field with at least one first-author publication in a peer-reviewed journal.
- Strong background in molecular and cell biology methods, including cell culture, survival assays, immunofluorescence and flow cytometry. Desirable experience in DNA fiber assays.
- Excellent oral and written English skills.
- Ability to work independently and in a team.



DNA fiber assay

What we offer:

- **18-month** full-time postdoctoral position at **CABIMER** (Sevilla, Spain) with possibility for extension. The candidate is also encouraged to apply for his/her own funding.
- A supportive and collaborative research environment.

APPLY BY MAY 15, 2025

Send your CV, motivation letter and 2 reference contacts to nestor.garcia@cabimer.es