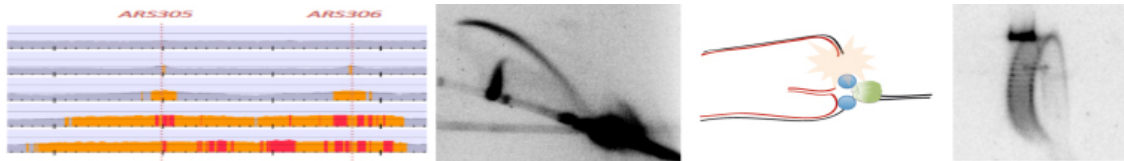


PhD fellowship candidates sought at the DNA Replication and Genome Integrity lab

Rodrigo Bermejo's [group](#) at the Centre for Biological Research – Margarita Salas (CSIC) in Madrid focuses on understanding the mechanisms granting the integrity of replicating chromosomes. DNA replication is a fascinating process essential for life and organismal development. However, replication takes place at fragile structures (replication forks), prone to break down and give rise to mutations and chromosomal abnormalities that drive genomic instability and cancer onset. To understand how replication forks are protected we employ a multidisciplinary approach combining cutting-edge genomics and molecular genetics.



The group is searching for **highly motivated researchers** interested in carrying out a PhD in a competitive international environment, in order **to apply to** upcoming Spanish University Ministry fellowship [call](#) for **4-year contracts**. The PhD **project** will be **based on** the use of **novel genomic methodologies** (eSPAN & NSBA) **to investigate** the function of **replisome-associated factors protecting the integrity of replication forks** that experience stress. The contract will tentatively begin in fall 2021. A recently-obtained Bachelor or Master degree with high average grades is required.

Candidates can informally contact Dr Rodrigo Bermejo (rodrigo.bermejo@csic.es) or submit an application including CV, academic certificate and a motivation letter before the end of November 2020.

Relevant Publications:

- Álvarez et al. *Cell Rep.* 2019
- Villa-Hdez. et al. *Curr Genet* 2018
- Frattini et al. *Mol Cell* 2017
- Ferrari et al. *Mol Cell* 2017
- Colosio et al. *NAR* 2016
- Jossen et al. *Front Genetics* 2013
- Alzu et al. *Cell* 2012
- Bermejo et al. *Mol Cell* 2012
- Bermejo et al. *Cell* 2011