



# JOB OFFER

Date: 10/01/2023

**PRINCIPAL INVESTIGATOR:** José Antonio Tercero

**SCIENTIFIC PROGRAM:** Genome dynamics and function

**JOB OFFER:** Predoctoral (PhD) contract -FPI CAM

**PROJECT TITLE:**

DNA damage tolerance in eukaryotic cells: regulation, mechanisms and importance for genome integrity maintenance

**PROJECT DESCRIPTION:**

The general goal of this project is to contribute to the knowledge of the mechanisms involved in preventing genomic instability, a hallmark of cancer and other diseases and a feature of premature aging and developmental abnormalities. A major cause of genome instability is the presence of unrepaired DNA damage, and the project will mainly address the study of how DNA damage tolerance pathways help maintain genome integrity in proliferating cells. The project will combine in vivo and in vitro studies and the methodology will include molecular biology, cellular biology, genetics and biochemistry techniques. Fundamental biological processes are evolutionarily conserved, and the yeast *Saccharomyces cerevisiae* will be used as a working eukaryotic model.

**DURATION:**

4 years

**REQUIREMENTS, EXPERIENCE AND ACADEMIC QUALIFICATIONS:**

Candidates should hold (or be currently studying) a master in Biosciences or Biomedicine disciplines

**CONTACT:**

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**DEADLINE:**

22/01/2023

**OTHER INFORMATION:**

Candidates should send as soon as possible a full CV and academic records to [jatercero@cbm.csic.es](mailto:jatercero@cbm.csic.es)