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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Maria Teresa Teixeira
Supervisor page	https://www.researchgate.net/profile/Maria-Teresa-Teixeira-2
Host Institution	Centre National de la Recherche Scientifique (CNRS) https://www.cnrs.fr/en
Research Lab	Laboratory of Molecular and Cellular Biology of Eukaryotes http://lmcce.ibpc.fr/
Research Team	Telomere biology http://lmcce.ibpc.fr/telomere-biology/

Project Title

Telomeres, replicative senescence and genome instability

Project Description

Without telomerase, telomeres shorten naturally during DNA replication, leading to replicative senescence, a major tumor suppression mechanism linked to genomic instability in humans. This project aims to understand the mechanistic link between these phenomena using a novel system in *Saccharomyces cerevisiae* to manipulate and track telomere dynamics at single-nucleotide resolution. The multi-disciplinary approach involves advanced techniques like CRISPR/Cas9, Nanopore sequencing, microfluidics

Keywords

genome instability, dna replication, dna repair, telomeres and telomerase

Description of the Host Research Lab

Research carried out at the Laboratory of Molecular and Cellular Biology aims at understanding the fundamental molecular mechanisms of eukaryotic cells using multidisciplinary approaches combining genetics, genomics, molecular and cellular biology, biochemistry, proteomics and biophysics.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr