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CENTRO ANDALUZ DE BIOLOGÍA MOLECULAR & MEDICINA REGENERATIVA

PhD Position available

A fully funded 4-year PhD contract is available in the ***Ubiquitin signaling and proteomics*** laboratory headed by **Dr. Román González Prieto** at the Andalusian Center for Molecular biology and Regenerative Medicine **(CABIMER)** in Sevilla. Starting beginning of 2026.

The Candidate: The candidate shall be a motivated young scientist with a degree in a Biology-related discipline. Eager to work in the interphase between genomics and proteomics. Able to use English as working language is a must. The candidate is expected to join a Doctorate Program and have an EU work permit and an official Masters Degree recognized in the EU.

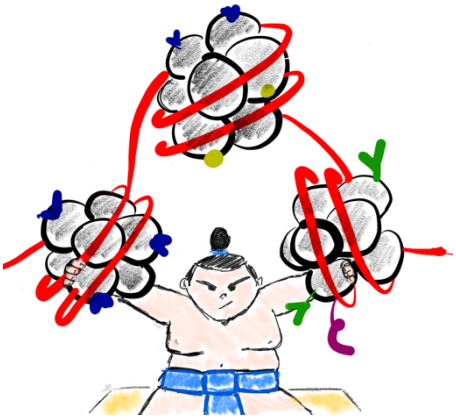
The project: The project ***PID2024-159761NB-I00 – Role of Ubiquitin and SUMO in Genome Biology*** aims to understand how these two Post Translation Modification regulate genome replication, stability, expression and organization. Using mammalian cell culture as model, we will combine biochemistry and molecular biology with state-of-the art cutting-edge (we just developed them) proteo-genomic approaches!!!

The institute: **CABIMER** is one of the top research institutes in Andalusia, with the participation of Universities of Seville and Pablo de Olavide, the National Research Council (CSIC) and the Biomedical Research Foundation of Sevilla (Andalusian Government), with 28 research groups and state-of-the-art facilities in Microscopy, Genomics and Proteomics among others. Place in Sevilla, a livable city with high quality of life.

The team

The City - Sevilla

The research institute - CABIMER



SUMO wrestling chromatin

Relevant references:

1. González-Vinceiro, L. et al. PLAMseq enables the proteo-genomic characterization of chromatin-associated proteins and protein interactions in a single experimental workflow. bioRxiv, 2025.04.27.650851 (2025).
2. Salas-Lloret, D. et al. BRCA1/BARD1 ubiquitinates PCNA in unperturbed conditions to promote continuous DNA synthesis. Nat Commun 15, 4292 (2024).
3. Salas-Lloret, D. et al. SUMO-activated target traps (SATTs) enable the identification of a comprehensive E3-specific SUMO proteome. Sci Adv 9, eadh2073 (2023).
4. Salas-Lloret, D. & Gonzalez-Prieto, R. Insights in Post-Translational Modifications: Ubiquitin and SUMO. Int J Mol Sci 23(2022).

How to apply: Official call is expected to open in October for a short time-frame. Extra-official applications are welcome. Send Motivation letter, contact details for 2 references and academic record to roman.gonzalez@cabimer.es.

Edif. CABIMER – Avda. Américo Vespucio 24
Parque Científico y Tecnológico Cartuja 93
41092 – Sevilla
Tel. +34 954 46 8004
Fax: +34 954 46 1664
info@cabimer.es
www.cabimer.es

Junta de Andalucía CSIC Universidad de Sevilla Universidad Pablo de Olavide Sevilla