

PhD CONTRACT OPPORTUNITY

We have a PhD contract position available at the **Centro Andaluz de Biología Molecular y Medicina Regenerativa (CABIMER)** in Seville, under the supervision of Dr. **Jonathan Martínez Fábregas**.

On Offer

A **3-year contract**, subject to extension depending on available funding.

Thriving working environment under the supervision of a junior Principal Investigator focused on the scientific development of the candidate and open to new ideas.

Excellent teaching/training capabilities in biochemistry, molecular and cellular biology, proteomics, genomics, cell signalling, and metabolism.

Wanted

Candidates should have a Bachelor's degree in life sciences (Biology, Biochemistry, Biomedicine, Biotechnology...), and be passionate about Science and eager to start a scientific career.

An average qualification of 8/10 is required so the candidate can further apply to PhD programmes (PhD grants from the Spanish Ministry of Science (FPU) and the University of Seville).

Master's degree in Life Sciences (Biology, Biochemistry, Biomedicine, Biotechnology...).

The following criteria will also be considered: 1. Previous experience in cell culture and molecular biology, 2. ability to work in English.

For those interested in joining the lab, please send your *curriculum vitae*, official academic transcript, the contact details of at least one referee, and a motivation letter to jonathan.martinez@cabimer.es, **before March 15th 2024**. Expected starting date: **September 2024**.

Research Project

Our lab is interested in understanding how lysosomal proteases contribute to the onset and progression of a plethora of human diseases, such as cancer and neurodegenerative and autoimmune diseases.

1. Which cellular signals control their expression and subcellular localisation?
2. Which cellular processes are regulated by these proteases when located outside the lysosomal compartment under pathological conditions?
3. How do they contribute to the regulation of gene expression? How does this impact the onset and progression of these diseases?

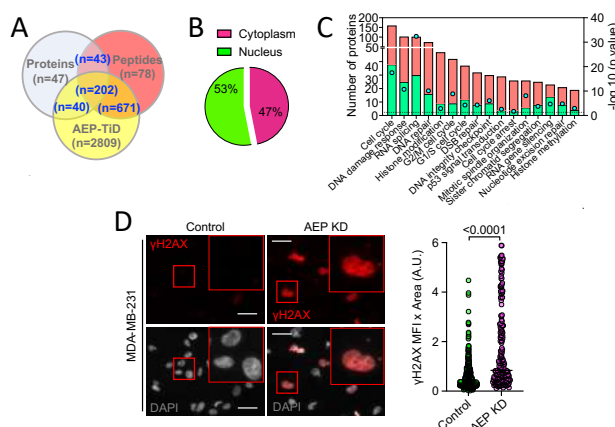


Figure. (A) Venn diagram showing the extralysosomal targets of AEP identified by proteomics. **(B)** GO analyses of the subcellular localisation of the identified targets. **(C)** GO analyses of the biological processes controlled. **(D)** Levels of DNA damage in control MDA-MB-231 cells compared to AEP KD cells.

Needing more info? <https://www.cabimer.es/en/jonathan-martinez-fabregas/>

Contact

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