phD Student in Molecular Basis of Neurodegeneration

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***Group**:* Functional Genomics of Neurodegenerative Diseases, Department of Biomedicine
https://www.ub.edu/portal/web/dp-biomedicalsciences/genomica-funcional-de-malalties-neurodegeneratives.-ip-eulalia-marti-puig

The overall goal of the group is to identify ncRNA mechanisms that contribute to the onset and progression of age-related neurodegenerative disorders. We aim at understanding disease-driven deregulation of ncRNAs and their role in neuronal dysfunction. Our final purpose is to discover ncRNA-gene expression networks underlying neuro-pathogenic processes with the aim to understand disease mechanisms and identifying pathways for therapeutic intervention.

Project Title: Analysis of CAG repeat RNAs as pathogenic factors in Huntington's disease: translational implications in PolyQ disorders (SAF2017-88452R)

The main objective of the project is to identify the mechanisms underlying CAG repeat RNA toxicity and analyze their contribution to the earliest alterations in Huntington's disease, the most prevalent polyQ disorder.

We expect to elucidate the biological pathways underlying CAG repeat RNA detrimental effects that could be causal in neuronal dysfunction and may serve as predictive markers in HD and in other polyQ disorders.

We are looking for a highly motivated and talented PhD student with excellent academic records. The appropriate candidate should have a background in neurosciences, and cell and molecular biology.

Applications should include:

-CV

-Research experience

-Letter of intent

-Contact details of at least two references/ two reference letters.

Send applications to: **eulalia.marti@ub.edu**