SEMINARI

Proprioceptive circuitry in Friedreich’s ataxia (FRDA)

by Jordi Magrané

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About Dr. Magrané:
I am a cell biologist by training with expertise in neurobiology and neurodegeneration. I have been a faculty member of the Feil Family Brain and Mind Research Institute at Weill Cornell Medicine (WCM) for 9 years, where I am part of the Mitochondria and Neurodegeneration Unit led by Dr. Giovanni Manfredi. Over the years, growing as a scientist at Cornell from postdoctoral to faculty level, my research has focused on mechanisms of neurodegeneration, first on Amyotrophic Lateral Sclerosis (ALS) and later as a Principal Investigator on Friedreich’s ataxia (FRDA). My research has led to the discovery of an early role of mitochondrial dynamics and axonal transport abnormalities in these two diseases and uncovered an unknown neurodevelopmental component in FRDA pathology; moreover, I have developed novel microscopy-based, live imaging assays to assess the role of mitochondrial and neuronal dysfunction in neurodegenerative disease pathogenesis, both in vitro (isolated neurons) and in vivo (whole mouse).

Dijous, 15 de desembre de 2022
12:00 h
Aula 209, Aulari del Campus de Bellvitge

Organitza: Departament de Ciències Fisiològiques, UB