PRINCIPAL INVESTIGATOR: Beatriz López Corcuera

SCIENTIFIC PROGRAM: Molecular Neuropathology

JOB OFFER: Postdoctoral Researcher CBMSO Call

PROJECT TITLE: Structure, function and regulation of GlyT2 variants associated to hyperekplexia.

PROJECT DESCRIPTION:
Hyperekplexia (OMIM 149400) is a rare sensorimotor syndrome potentially lethal in newborns. It is caused by defects in the inhibitory glycinergic neurotransmission due to mutations in some human genes such as the neuronal glycine transporter GlyT2 (SLC6A5), responsible for supplying glycine to the presynaptic terminal. In this project, the pathogenic mechanisms of GlyT2 mutations found in hyperekplexia patients will be analyzed in terms of the structure of the transporter, its function, intracellular trafficking, interactome, regulation, as well as its consequences in embryonic or adult life. This study can guide future therapeutic approaches we wish to develop. http://www.cbm.uam.es/blopez

LOCATION:
The team is located in Madrid and is part of the Centro de Biología Molecular Severo Ochoa (CBMSO), an international excellence research center offering a dynamic and collaborative environment and multidisciplinary training that brings together high-profile teams with complementary areas of expertise and with a common interest in translating basic research into knowledge for the clinic.

ACADEMIC QUALIFICATION AND EXPERIENCE:
We are seeking highly motivated young candidates holding a PhD in Life Sciences obtained after 01/01/2020. Applicants must have a strong international training, not have worked in Spain for the last three years. Preference will be given to applicants with a background in neuroscience, neurotransmitter transport, cellular and molecular biology, confocal imaging and electrophysiological approaches. Fluency in English is mandatory.

CONTACT:
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DEADLINE:
12/01/2023

OTHER INFORMATION:
We are offering a postdoctoral position, with a duration of 3 years and an estimated gross salary of 40.500 €/year. Applications must be endorsed by a CBMSO principal investigator before submitting. Candidates must send CV, academic record, and motivation letter to Dr. Beatriz López Corcuera (blopez@cbm.csic.es). To apply, candidates must submit a full application package via our website: https://www.cbm.uam.es/en/home/jobs-at-the-cbmso