



UNIVERSITA' DEGLI STUDI DI GENOVA
**DIPARTIMENTO DI MEDICINA SPERIMENTALE
FISIOLOGIA**

A two-year postdoctoral position (Assegno di Ricerca), is currently available at the Department of Experimental Medicine of Genoa University, Laboratory of Neurophysiology in the group of Prof. Anna Corradi (orcid <http://orcid.org/0000-0002-3449-9167>).

The project, financed by Telethon and Cariplo Foundations, is focused on the study of new genes mutated in infantile epilepsy and paroxysmal movement disorders and is aimed to understand the pathophysiology of these diseases.

The project will be addressed through a multi-level approach combining genetics with molecular/cellular biology, biochemistry, imaging and proteomics in iPSC derived human models, 3D brain organoids and knock out mouse neuronal cultures, reproducing gene loss of function mutations.

The Laboratory of Neurophysiology at the Department of Experimental Medicine (<https://dimes.unige.it>), resides downtown in the San Martino area within the School of Medicine, where also the Ospedale Policlinico San Martino-IRCCS in Neuroscience and Oncology and the Center of Synaptic Neuroscience of the Italian Institute of Technology are located. The research group is integrated in the three entities with dynamic scientific environment and access to state-of-the art facilities.

The successful candidate will apply molecular biology/CRISPR-CAS9 gene editing, biochemical, morphological and imaging techniques to mouse and human 2D/3D neuronal cultures. Previous experiences in the fields of cellular/molecular neurobiology techniques including neuronal cultures and/or mouse model characterization are appreciated.

Applications including a complete Curriculum Vitae, as well as contact details for two referees, should be addressed to:

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