

POSITION	Assistant Professor in Neurophysiology (RTDA-BIO09), University of Genoa, Italy.
DURATION	1 st March 2023 - 28 th February 2026
APPLICATION	18 th November 2022– 2 nd December 2022
SELECTION	December 2022-January 2023
DESCRIPTION	<p>2 Associate Researcher positions are funded within the PNRR-PE Neuroscience project "A multiscale integrated approach to the study of the nervous system in health and disease- MNESYS".</p> <p>The central theme of the research activity is the elucidation of the molecular mechanisms underlying physiological and pathological processes of neurodevelopment and neurotransmission. A multiple level investigation, from the single synapse to the complexity of the neuronal network is used combining live imaging and electrophysiological approaches, biochemistry, proteomics and functional studies on animal models and iPSCs-derived neurons.</p>
REQUIREMENT	The ideal candidates are highly motivated persons, holding a PhD degree in Neuroscience or related subjects , capable of autonomous organizational and experimental activity and willing to work in a team. One position (A) will be mainly focused on advance functional imaging cultured neurons and brain organoids; the other position (B) on patch-clamp and microelectrodes-array recordings in cultured neurons, acute cortico-hippocampal slices and iPSCs-derived neurons. Previous experience in advanced functional microscopy and electrophysiology is appreciated.
LOCATION	Laboratory of Neurophysiology at the Department of Experimental Medicine, University of Genova. The laboratory resides downtown 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 presence of these three entities contributes to a dynamic scientific environment and provides access to state-of-the art facilities.
CONTACT	<i>Curriculum Vitae</i> , reference letters and other inquiries should be emailed to: afassio@unige.it and pietro.baldelli@unige.it