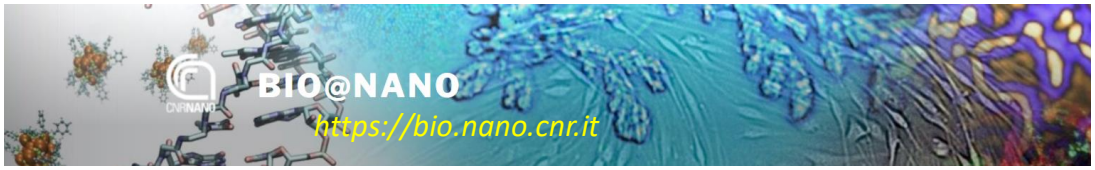
CNRNANO

ISTITUTO NANOSCIENZE CONSIGLIO NAZIONALE DELLE RICERCHE



UNIMORE
UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA

A **2 year postdoctoral position** is available at the Institute of Nanoscience of the National Research Council (CNR-NANO) in Modena (Italy) under the supervision of Dr. Gabriele Losi in collaboration with University of Modena and Reggio Emilia (UniMORE).

BIO@NANO is a section of CNR-NANO dedicated to the study of biomolecular mechanims of human pathologies and the development of new diagnostic or therapeutic tools. In particular we study the molecular mechanisms of the functional interactions between glial cells and neurons in brain physiology, in aging and in pathologies like epilepsy and Alzheimer's disease (AD) (https://bio.nano.cnr.it/mechanisms-of-neuron-glia/).

This position is part of a MUR funded Project entitled "**INTERACTION BETWEEN CHOLINERGIC AND GLUTAMATERGIC SYNAPTIC TRANSMISSION AT TRIPARTITE SYNAPSE IN THE PATHOPHYSIOLOGY OF ALZHEIMER'S DISEASE**" that involves 3 Italian Universities and 2 CNR Institutes. Multiphoton laser scanning microscopy and electrophysiology will be used to investigate astrocytic modulation of synaptic transmission and plasticity in an innovative model of Alzheimer's disease. State of the art and new genetic tools developed by collaborators will be used to manipulate selectively astrocytes or neurons. Interaction with other groups will be strongly encouraged.
Prior experience in Neuroscience research with confocal or multiphoton microscopy and/or electrophysiology is required. Experience with animal surgery is also valued.

http://bandi.urp.cnr.it/doc-assegni/documentazione/13113_DOC_IT.pdf

https://www.nano.cnr.it/job-openings-2/

For administrative contact: elisa.bolognesi@nano.cnr.it