

Assegno di ricerca nell'ambito del progetto “*Unveiling the role of hippocampus-dependent memory function in visual perceptual learning*” finanziato dal PRIN all'**Istituto di Neuroscienze del CNR di Padova**
Supervisore: Manuela Allegra

Call

We are seeking a talented and highly motivated candidate to lead a project investigating the role of hippocampal memory formation in visual functions. The project will address two key questions:

1. How is hippocampal memory formation involved in visual perceptual learning?
2. How do neuromodulatory signals, conveyed by extra-hippocampal inputs, affect hippocampal memory function and, ultimately, sensory learning?

The candidate will have access to a range of state-of-the-art technologies i.e. *in vivo* calcium imaging from hippocampus, electrophysiology and optogenetic tools. She/He will build on existing skills and experience to address major components of this project independently: designing and performing experiments, developing technical advances and performing demanding data analysis.

The ideal candidate should hold a Neuroscience or a Biomedical Ph.D. degree. Previous laboratory experience with animal handling, behavior and calcium imaging is desirable. The successful candidate will benefit from an inclusive working environment at the Department of Biomedical Sciences (University of Padova), and from the collaboration with the Neural Computational Lab of Dr Eugenio Piasini (<https://people.sissa.it/~epiasini/>) from SISSA.

The contract is a full-time post-doc position for 2 years based at the Neuroscience Institute (CNR) and the research position is funded by PRIN, on the project: 'Unveiling the role of hippocampus-dependent memory function in visual perceptual learning', under the supervision of Dr Manuela Allegra (<https://pnc.unipd.it/allegra-manuela/>).

Informal enquiries should be addressed to Dr Manuela Allegra (manuela.allegra@unipd.it)