

Psychiatry and Neuroscience Seminar Series 2022



Dr Marilena GRIGUOLI

(Host R Piskorowski)

*European Brain Research Institute National Research Council
(CNR), Roma, Italy*

Medial Septum cholinergic inputs to CA2: a new role in social novelty discrimination

Friday, April 1st, 2022, noon

Room D Levy, 102-108 rue de la santé - 75014 Paris & VISIOCONFERENCE

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Acetylcholine acts as both neurotransmitter and neuromodulator in the brain and is essential for cognitive functions including attention, learning and memory. My research interest is focused on the cholinergic modulation of synapses and neural circuits underlying social behavior. In-vitro and in-vivo electrophysiological techniques are combined with viral-based genetic manipulations and immunostaining to characterize the role of cholinergic projections. The aim is to correlate anatomical and functional findings with social behavior, in both physiological and pathological conditions such as neurodevelopmental disorders.

Keywords:

Neurophysiology

Synapses

Electrophysiology

Neurobiology

Synaptic Transmission

Synaptic Plasticity

Hippocampus

Patch-Clamp Electrophysiology

Neuron

Neurobiology and Brain Physiology

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LINK: <https://u-paris.zoom.us/j/81056121389?pwd=RW04L1JsS25QVUFnVFg1aGZTcFILZz09>

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