



Marilena Griguoli

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● ISTRUZIONE E FORMAZIONE

23/02/2006 Roma, Italia

LAUREA IN SCIENZE BIOLOGICHE Università Sapienza di Roma

12/11/2010 Trieste, Italia

PHD IN NEUROSCIENZE Scuola Internazionale Superiore di Studi Avanzati di Trieste

● ESPERIENZA LAVORATIVA

2021 – ATTUALE Roma, Italia

GROUP LEADER EUROPEAN BRAIN RESEARCH INSTITUTE (EBRI), FONDAZIONE RITA LEVI-MONTALCINI

2021 – ATTUALE Roma, Italia

RICERCATRICE ISTITUTO DI BIOLOGIA E PATOLOGIA MOLECOLARI, CONSIGLIO NAZIONALE DELLE RICERCHE

2020 – 2021 Pisa, Italia

RICERCATRICE ISTITUTO DI NEUROSCIENZE, CONSIGLIO NAZIONALE DELLE RICERCHE

2015 – 2020 Roma, Italia

SENIOR SCIENTIST EUROPEAN BRAIN RESEARCH INSTITUTE, FONDAZIONE RITA LEVI-MONTALCINI

2011 – 2014 Bordeaux, Francia

POST DOCTORAL FELLOW INSTITUTE FOR INTERDISCIPLINARY NEUROSCIENCE (IINS), CNRS

2010 – 2011 Trieste, Italia

POST DOCTORAL FELLOW NEUROBIOLOGY DEPARTMENT, INTERNATIONAL SCHOOL FOR ADVANCED STUDIES (SISSA)

● ULTERIORI INFORMAZIONI

CONFERENZE E SEMINARI

01/04/2022 – Institute of Psychiatry and Neuroscience of Paris (IPNP)

Medial Septum Cholinergic Inputs to CA2: A New Role in Social Novelty Discrimination

11/06/2021 – Istituto di Biofisica (IBF) del CNR di Genova

Acetylcholine controls social memory via nicotinic receptor-mediated disinhibition of CA2 hippocampal region

18/01/2019 – Università Sapienza di Roma

Role of cholinergic signaling in social memory

03/12/2015 – Institut du fer à moulin (IFM) di Parigi

In vivo control of hippocampal CA3 output by glutamatergic and cholinergic inputs

PUBBLICAZIONI

[Impaired synaptic plasticity in an animal model of Autism exhibiting early hippocampal GABAergic-BDNF/TrkB signaling alterations](#)

– 2023

[Medial septum: relevance for social memory.](#) – 2022

[Septal cholinergic input to CA2 hippocampal region controls social novelty discrimination via nicotinic receptor-mediated disinhibition](#)

– 2021

[The deletion of GluK2 alters cholinergic control of neuronal excitability](#) – 2021

[Immature dentate granule cells require Ntrk2/TrkB for the formation of functional hippocampal circuitry](#)

– 2020

[Possible implication of the CA2 hippocampal circuit in social cognition deficits observed in the neuroligin 3 knock-out mouse, a non-syndromic animal model of Autism](#)

– 2019

[Tuning GABAergic inhibition: gephyrin molecular organization and functions](#) – 2019

[Offline ventral subiculum-ventral striatum serial communication is required for spatial memory consolidation](#)

– 2019

[Early Correlated Network Activity in the Hippocampus: Its Putative Role in Shaping Neuronal Circuits](#)

– 2017

[Control of spike transfer at hippocampal mossy fiber synapses in vivo by GABAA and GABAB receptor mediated inhibition](#)

– 2017

[Presynaptic BK channels control transmitter release: physiological relevance and potential therapeutic implications](#)

– 2016

[In hippocampal oriens interneurons anti-Hebbian Long-Term Potentiation requires cholinergic signalling via \$\alpha 7\$ nicotinic acetylcholine receptors](#)

– 2013

[Regulation of hippocampal inhibitory circuits by nicotinic acetylcholine receptors](#) – 2012

[The depolarizing action of GABA in the hippocampus controls early network activity in the developing hippocampus](#)

– 2011

[Nicotine blocks the hyperpolarization-activated current Ih and severely impairs the oscillatory behaviour of O-LM interneurons](#)

– 2010

[Activation of nicotinic acetylcholine receptors enhances a slow calcium-dependent potassium conductance and reduces the firing of stratum oriens interneurons](#)

– 2009

[Suppression of established experimental autoimmune encephalomyelitis and formation of meningeal lymphoid follicles by lymphotoxin beta receptor-Ig fusion protein](#)

– 2006

Autorizzo il trattamento dei miei dati personali presenti nel CV ai sensi dell'art. 13 d. lgs. 30 giugno 2003 n. 196 - "Codice in materia di protezione dei dati personali" e dell'art. 13 GDPR 679/16 - "Regolamento europeo sulla protezione dei dati personali".

Roma , 07/06/2023

A handwritten signature in black ink that reads "Marilena Griguoli". The signature is written in a cursive style and is contained within a thin black rectangular border.

Marilena Griguoli