Curriculum Vitae

Personal details

First name: Dalila
Last name: Mango
Date of birth: 30 January 1986
Place of birth: Cosenza (CS)
Citizenship: Italian
E-mail: dalilamango@gmail.com; d.mango@ebri.it

Education and degrees

Degree in Pharmaceutical chemistry and technology – 2010, l'Università della Calabria, Facoltà di Farmacia, Rende, Italy*;*

PhD in Neuroscience – 2014, l'Università di Roma "Tor Vergata", School of Medicine, Rome, Italy;

XII Summer School of Neuroscience DOPAMINE in memoriam of Professor Umberto Scapagnini – 2014, International PhD Program in Neuroscience University of Catania;

FELASA cat.B accredited course - 2015 "Scienza degli animali da laboratorio", CERC, Rome, Italy.

Academic Appointments/Research experience

2011-2013: Fellowship for PhD in Neuroscience, Università di Roma "Tor Vergata", School of Medicine, Rome, Italy;

2014 - : post Doc in Pharmacology of Synaptic Plasticity Laboratory at the European Brain Research Institute- Rita Levi-Montalcini Foundation, Rome , Italy.

2015: Fellowship SIF-MSD for "*Targeting protein SUMOylation changes in experimental Alzheimer's disease*".

2016-2017: Research grant for "*Meccanismi neurofisiofarmacologici di plasticità sinaptica: identificazione dei target molecolari per farmaci innovativi nella malattia di Alzheimer*", Department of Physiology and Pharmacology 'Vittorio Erspamer', Sapienza Università di Roma, Rome, Italy;

2018-2020: Research fellowship for "*Valutazione degli effetti neuroprotettivi di hNGFp in modelli sperimentali di ischemia-ipossia cerebrale neonatale e adulta*", Fondazione Istituto Neurologico Nazionale Casimiro Mondino, Pavia, Italy.

2020-2022 : Research Assistant for *"Ligandi selettivi del recettore mGlu3 come agenti terapeutici nel Parkinsonismo sperimentale"*, Department of Biology, Università di Roma "Tor Vergata", Rome, Italy.

Main research activity

I am currently interested in synaptic mechanisms with particular regard for synaptic plasticity in the mammalian central nervous system. Synaptic plasticity is an essential property of the brain implicated in development and underlying learning and memory processes. Alterations of these processes occurred in various neurodegenerative disorders, including Alzheimer's disease and Multiple Sclerosis. In particular, I focus on the phenomena of long-term potentiation (LTP) and long-term depression (LTD) in the hippocampus, a brain region important for learning and memory and cognitive processes. Over the past years, I have studied how neuroinflammation and excitotoxicity lead to impairments in LTP and memory in mice that model Alzheimer's disease (AD) and Multiple Sclerosis (MS).