

## CURRICULUM VITAE

### Matteo Malinverno

**Date/place of birth:** July 21th, 1980; Como, Italy. **Nationality:** Italian

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## EDUCATION

**June 30th – July 12th 2014.** 2nd Advances in Stem Cell Biology Course. Institute Pasteur, Paris.

**September 2013.** HYDRA IX - The European Summer School on Stem Cell & Regenerative Medicine

**December 15th, 2010.** PhD in Pharmacological Sciences. University of Milan.

Title of the thesis: “Molecular mechanisms regulating spine remodelling”

**September 14th – October 2nd, 2009** 2009 European Synapse Summer school "Synapses: from basic mechanisms to synaptopathies". Bordeaux PENS training centre, supported by FENS and IBRO.

**October 28th, 2005.** Laurea grade in Pharmaceutical Biotechnologies. University of Milan.

## RESEARCH EXPERIENCE

**2012 – present:** Post Doc. Supervisor: Professor Elisabetta Dejana, FIRC Institute of Molecular Oncology Foundation (IFOM)

**2010 – 2011:** Post Doc. Supervisor: Professor Monica Di Luca, University of Milan.

**2007 – 2010:** PhD in Pharmacological Sciences. Supervisor: Professor M. Di Luca, University of Milan

**2005 – 2007:** Research fellow Supervisor: Professor Monica Di Luca, University of Milan

## TECHNICAL SKILLS

**Cell Biology:** Preparation of primary cell cultures. Transfection of cell lines and primary cultures. Immunocytochemistry. **Animals handling:** Experience with rats and mice Intraperitoneal injections. Anaesthesia e suture, intracardiac perfusion. Organs and Embryos dissections. **Biochemistry:** Protein purification and dosage. SDS-PAGE gel electrophoresis. Western-Blot . Immunoprecipitation. Pull-Down. **Molecular biology:** Nucleic acids extraction and purification. PCR, site-specific mutagenesis ,cloning. **Microscopy:** Fluorescence and confocal microscopy. Time-lapse live imaging. Morphometric analysis **Immunohistochemistry:** Experience with tissue chopper, Vibratome and Cryostat. DiOlistic protocol. **Computational biology** :BLAST, NCBI, Imaris, Metamorph, ImageJ

## AWARDS

**Travel Grant** for attending the FENS meeting 2010 in Amsterdam from the SINS.

**Best Poster Prize:** XII ITINAD Annual Meeting, January 2009 Milan

## PUBLICATIONS

*Endothelial Cells Lining Sporadic Cerebral Cavernous Malformation Cavernomas Undergo Endothelial-to-Mesenchymal Transition.*

Bravi L, **Malinverno M**, Pisati F, Rudini N, Cuttano R, Pallini R, Martini M, Larocca LM, Locatelli M, Levi V, Bertani GA, Dejana E, Lampugnani MG.. Stroke. 2016 Feb. 2

*The neuropeptide PACAP-38 induces dendritic spine remodeling through ADAM10/N-Cadherin signaling pathway.*

Gardoni F, Saraceno C, **Malinverno M**, Marcello E, Verpelli C, Sala C, Di Luca M...J Cell Sci. 2012 Feb. 10

*Synaptic localization and activity of ADAM10 regulate excitatory synapses through N-cadherin cleavage.*

**Malinverno M**, Carta M, Epis R, Marcello E, Verpelli C, Cattabeni F, Sala C, Mülle C, Di Luca M, Gardoni F. *J Neurosci.* 2010 Dec 1.

*A combination of CSF tau ratio and midsagittal midbraintopons atrophy for the early diagnosis of progressive supranuclear palsy.*

Borroni B, **Malinverno M**, Gardoni F, Grassi M, Parnetti L, Agosti C, Alberici A, Premi E, Bonuccelli U, Gasparotti R, Calabresi P, Di Luca M, Padovani A. *J Alzheimers Dis.* 2010.

*Blocking ADAM10 synaptic trafficking generates a model of sporadic Alzheimer's disease.*

Epis R, Marcello E, Gardoni F, Vastagh C, **Malinverno M**, Balducci C, Colombo A, Borroni B, Vara H, Dell'Agli M, Cattabeni F, Giustetto M, Borsello T, Forloni G, Padovani A, Di Luca M. *Brain.* 2010 Nov.

*Decreased NR2B subunit synaptic levels cause impaired long-term potentiation but not long-term depression.* Gardoni F, Mauceri D, **Malinverno M**, Polli F, Costa C, Tozzi A, Siliquini S, Picconi B, Cattabeni F, Calabresi P, Di Luca M. *J Neurosci.* 2009 Jan 21.

*Tau forms in CSF as a reliable biomarker for progressive supranuclear palsy.*

Borroni B, **Malinverno M**, Gardoni F, Alberici A, Parnetti L, Premi E, Bonuccelli U, Grassi M, Perani D, Calabresi P, Di Luca M, Padovani A. *Neurology.* 2008 Nov 25

*Pattern of Tau forms in CSF is altered in progressive supranuclear palsy.*

Borroni B, Gardoni F, Parnetti L, Magno L, **Malinverno M**, Saggese E, Calabresi P, Spillantini MG, Padovani A, Di Luca M. *Neurobiol Aging.* 2009 Jan;30