

Curriculum Vitae

Name: Angela Michela De Stasi
Date / Place of Birth: November 3, 1984 /Rome, Italy
Nationality: Italian
Sex: Female
Present Position: Postdoc
Address for Correspondence: Institut du Cerveau et de la Moelle épinière – ICM.
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Education and training:

2014: **Ph.D. in Life and Humanoid Technology**, Department of Neuroscience and Brain Technologies, Istituto Italiano di Tecnologia (IIT), Genoa, Italy.
2010: **Master degree in Neurobiology**, University of Turin, Turin, Italy.
2008: **Bachelor of Science degree in Biological Science**, University of Rome “La Sapienza”, Rome, Italy.

Professional and research experience:

09/2016 – present: postdoc, Institut du Cerveau et de la Moelle épinière – ICM.
Lab's Head: Dr. Alberto Bacci

01/2015 – 07/2016 (**5 months of maternity leave**): **Postdoctoral fellow**, Department of Neuroscience and Brain Technologies, Istituto Italiano di Tecnologia (IIT), Genoa, Italy
Lab's Head: Dr. Tommaso Fellin

04/2014 – 12/2014: **Research fellow**, Department of Neuroscience and Brain Technologies, Istituto Italiano di Tecnologia (IIT), Genoa, Italy
Lab's Head: Dr. Tommaso Fellin

11/2011 – 04/2014: **Ph.D. student**, Department of Neuroscience and Brain Technologies, Istituto Italiano di Tecnologia (IIT), Genoa, Italy
Lab's Head: Dr. Tommaso Fellin

11/2009 – 09/2010: **Master student**, Neuroscience Laboratory, Department of Veterinary Morphophysiology, University of Torino, Italy

Lab's Head: Prof. Adalberto Merighi

09/2007- 06/2008: **Undergraduate student**, Department of General Physiology, "Daniel Bovet" centre, University of Rome "La Sapienza", Italy

Lab's Head: Prof. Maria Egle De Stefano

Technical Expertise:

- *In vivo* local field potential (LFP) and multi-unit (MU) recordings in anesthetized and awake head restrained mice
- *In vivo* patch clamp recording in anaesthetized mice
- *In vivo* 2-photon guided juxtosomal recordings in anesthetized and awake head restrained mice
- *In vitro* electrophysiology
- Optogenetics
- Stereotaxic surgery for virus injection
- Immunohistochemistry and Immunofluorescence
- Confocal acquisitions
- Western Immunoblotting
- Bolus loading of fluorescent dyes *in vivo*
- Experience in animal care

Participation to meetings and advanced schools:

VIRTUAL FENS forum of neuroscience 2020. Symposium speaker " Prefrontal cortical circuit dynamics in adult mice subject to early-life insult"

GABA signaling in the Brain, 16 October 2016, Paris (France).

The 9th, July 5-9 2014, Milan (Italy).

The Spring School Ecole des Neurosciences de Paris (ENP), April 17-27 2012, Paris (France).

The 8th IBRO World Congress, Florence (Italy), July 14-18, 2011.

The 5th Meeting of PhD students and young postdocs in Physiology, June 8-10 2011, Sestri Levante, Italy.

International Astrocyte School, March 27- April 3, 2011, Bertinoro, Italy.

Courses and Certificates:

Certification for experimental animal surgery, October 2018 CNRS, Marseille, France.

Certification for animal experimentation, May 2017 - Level 1. Institute Pasteur, Paris, France.

Publications:

Zorrilla de San Martin J, Donato C, Peixoto J, Aguirre A, Choudhary V, De Stasi AM, Lourenço J, Potier MC, Bacci A. "Alterations of specific cortical GABAergic circuits underlie abnormal network activity in a mouse model of Down syndrome" *Elife* (2020) PMID:32783810.

Teissier A, Le Magueresse C, Olusakin J, Andrade da Costa BLS, De Stasi AM, Bacci A, Imamura Kawasawa Y, Vaidya VA, Gaspar P. "Early-life stress impairs postnatal oligodendrogenesis and adult emotional behaviour through activity-dependent mechanisms" *Mol Psychiatry* (2020) PMID: 31439936

Lourenço J., De Stasi A.M., Deleuze C., Bigot M., Antonio Pazienti A., Aguirre A., G., Ostojic S., Bacci A., "Modulation of coordinated activity across cortical layers by plasticity of inhibitory synapses" *Cell Reports* (2020) 2019.12.052.

De Stasi A.M., Farisello P., Marcon I., Cavallari S., Forli A., Vecchia D., Losi G, Mantegazza M., Panzeri S., Carmignoto G., Bacci A., Fellin T." Unaltered network activity and interneuronal firing during spontaneous cortical dynamics in vivo in a mouse model of Severe Myoclonic Epilepsy of Infancy" *Cerebral Cortex* (2016) pii: bhw002.

Dal Maschio M., De Stasi A.M., Benfenati F., Fellin T."Three dimensional in vivo scanning microscopy with inertia-free focus control" *Optics Letters* (2011) 36:3503-05.

Book chapters:

Dal Maschio M., Beltramo R., De Stasi. A.M., Fellin T. (2011)"Two-photon calcium imaging in the intact brain" in **Calcium Signalling**, Advances in Experimental Medicine and Biology book series, Springer.

Abstracts and Poster presentations:

De Stasi A. M., Mantegazza M., Fellin T. "In vivo cortical network dynamics during the pre-epileptic period in a mouse model of Dravet Syndrome" The 9th FENS forum of neuroscience, July 5-9 2014, Milan (Italy).

Scalmani P., Farisello P., De Stasi A.M., *et al.*, "Cellular mechanisms underlying brain dysfunction in a mouse model of Dravet syndrome" XVII Telethon scientific convention, March 11-13 2013, Riva del Garda, Italy.

Dal Maschio M., De Stasi A.M., Benfenati F., Fellin T. “*In vivo* three dimensional multiphoton microscopy with inertia-free focus control” Society for Neuroscience, 41st Annual Meeting, November 12-16 2011, Washington, DC.

De Stasi A. M., Fellin T. “Astrocytic modulation of cortical network dynamics in vivo” 5th Meeting of PhD students and young postdocs in Physiology, June 8-10 2011, Sestri Levante, Italy.

De Stasi A. M., Fellin T. “Stimulating purinergic gliotransmission: a novel approach for the treatment of pharmaco-resistant epilepsies?” International Astrocyte School, March 27- April 3 2011, Bertinoro, Italy.