Prof. Dr. DANIELA MAUCERI

1) General information

Date of birth: 12 May, 1978
Gender: Female
Address: Heidelberg University
Neurobiology
Im Neuenheimer Feld 366
69120 Heidelberg, Germany
University of Marburg
Institute of Anatomy and Cell Biology
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Position: Professor in Neuroanatomy, Head of the Dept. Molecular and Cellular Neuroscience, University of Marburg &
Independent Group Leader
Neurobiology, Heidelberg University, Germany.
Children: None
Parental leave, if applicable: None

2) University training and degree

1996 - 2002	Studies in Pharmaceutical Biotechnology Sciences, University of Milano, Italy
2002 - 2003	Post-graduate School of Pharmacology, Faculty of Pharmacy, University of Milan
2003 - 2006	PhD student, Department of Pharmacological Sciences, University of Milan. Supervisor: Prof. Dr. Monica Di Luca

3) Advanced academic qualifications

2015 - 2021	Junior Professor for “Structural Neurobiology” and independent group leader, Neurobiology, Heidelberg University, Germany
2007	Doctorate in Pharmacology & Neuroscience, Mentor: Prof. Monica Di Luca, Dept. of Pharmacological Sciences, University of Milano, Milano, Italy

4) Postgraduate professional career

Since 2022	Group Leader, Neurobiology, Heidelberg University, Germany
Since 2022	Professor in Neuroanatomy, Head of the Department for Molecular and Cellular Neuroscience, Institute of Anatomy and Cell Biology, University of Marburg, Germany.
2016	Founder of FundaMental Pharma GmbH
2009 - 2015	Akademische Raetin auf Zeit, Neurobiology, Heidelberg University, Germany.
2007 - 2009	EMBO Postdoctoral fellow with Prof. Dr. Hilmar Bading, Neurobiology, Heidelberg University, Germany.

5) Other

Awards and honours:

2022	Chica-Heinz Schaller long term fellowship
2016	Max Von Frey Prize from the German Pain Society
2013	Karl-Freudenberg Prize from the Heidelberger Akademie der Wissenschaften
2007 - 2009	EMBO Long Term Postdoctoral Fellowship
2006	Best Oral Presentation Award. Pharmacology PhD students' meeting
2003 - 2006	PhD student fellowship (University of Milano, Italy)
2006 - 2012	6 travel grants (FENS, IBRO; SINS; GRC)

Panels and coordinating functions:

2020 - 2022	Member of the Study Commission (Studienkommission), Heidelberg University.
2020 - 2022	Junior group leader representative in the Heidelberg Molecular Life Science Research Council, Heidelberg University.
2017 - 2022	Official speaker for Master Molecular Bioscience, Major Neuroscience.
Since 2020	Member of the Study Commission (Studienkommission), Heidelberg University.
Since 2020	Junior group leader representative in the Heidelberg Molecular Life Science Research Council, Heidelberg University.
Since 2017	Official speaker for Master Molecular Bioscience, Major Neuroscience.
Since 2017	Selection committee for the Heidelberg Biosciences International Graduate School (HBIGS)
Since 2016	Selection committee for the Master Molecular Bioscience, Major Neuroscience program of Heidelberg University

Editorial boards:

2022	Guest Editor, *Cells*. Special Issue "Cellular and Molecular Mechanisms Underlying Pain Chronicity"
Since 2020	Member of the Advisory board for *Review Commons*.
2014	Guest Editor, *Cell and Tissue Research*. Special Issue "Dysfunction of neuronal calcium signaling in aging and disease"

6) Publications:

A)

Litke C, Hagenston AM, Kenkel AK, Paldy E, Lu J, Kuner R, Mauceri D. Organic Anion Transporter 1 is an HDAC4-regulated mediator of nociceptive hypersensitivity in mice. **Nature Communications**;13,:875, 2022.

Mauceri D, Buchthal B, Hemstedt TJ, Weiss U, Klein CD, Bading H. Nasally-delivered VEGFD mimetics mitigate stroke-induced dendrite loss and brain damage. **Proc Natl Acad Sci U S A**; 117:8616-862, 2020.

Schlüter A, Aksan B, Diem R, Fairless R, Mauceri D. VEGFD protects retinal ganglion cells and, consequently, capillaries against excitotoxic injury. **Molecular Therapy**; 17: 281-299, 2020.

Schlüter A, Aksan B, Fioravanti R, Valente S, Mai A, Mauceri D. Histone Deacetylases Contribute to Excitotoxicity-Triggered Degeneration of Retinal Ganglion Cells In Vivo. **Molecular Neurobiology**; 56:8018-8034, 2019.

Oliveira AM, Litke C, Paldy E, Hagenston AM, Lu J, Kuner R, Bading H, Mauceri D. Epigenetic control of hypersensitivity in chronic inflammatory pain by the de novo DNA methyltransferase Dnmt3a2. **Molecular Pain**; 15:1744806919827469, 2019.

Litke C, Bading H, Mauceri D. Histone deacetylase 4 shapes neuronal morphology via a mechanism involving regulation of expression of vascular endothelial growth factor D. **The Journal of Biological Chemistry**; 293(21):8196-8207, 2018.

Mauceri D, Hagenston AM, Schramm K, Weiss U, Bading H. Nuclear Calcium Buffering Capacity Shapes Neuronal Architecture. **The Journal of Biological Chemistry**; 290(38):23039-23049, 2015.

Simonetti M*, Hagenston AM*, Vardeh D*, Freitag HE*, Mauceri D*, Lu J, Satagopam VP, Schneider R, Costigan M, Bading H, Kuner R. Nuclear calcium signaling in spinal neurons drives a genomic program required for persistent inflammatory pain. **Neuron**; 77(1):43-57, 2013.

Schlumm F*, Mauceri D*, Freitag HE, Bading H. Nuclear calcium signaling regulates nuclear export of a subset of class IIa histone deacetylases following synaptic activity. **The Journal of Biological Chemistry**; 288(12):8074-8084, 2013.

Mauceri D, Freitag HE, Oliveira AM, Bengtson CP, Bading H. Nuclear calcium-VEGFD signaling controls maintenance of dendrite arborization necessary for memory formation. **Neuron**; 71(1):117-130, 2011.

* Equally contributing authors

B) other publications: -

C) Patents: -