

Alessio Attardo, Ph.D. – Curriculum Vitae

Date and place of birth: October 12th 1978, Palermo, Italy
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Marital Status Married
Languages Italian (native), English (fluent), German (basic), French (basic)
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Academic positions

July 2019 – date Faculty of the Graduate School of Systemic Neuroscience, Ludwig Maximilian University, Munich (Germany)
October 2018 – date Faculty of the Biomedical Neuroscience MSc. Program, Technical University, Munich (Germany)
Jan 2016 – date Faculty of:
- the International Max Planck Research School for Translational Psychiatry, Munich (Germany)
- the Neuroimaging Techniques advanced course. Max Planck Florida Institute for Neuroscience. Jupiter, Florida (U.S.A.)
Feb 2015 – date Group Leader, Max Planck Institute of Psychiatry, Dept. Stress Neurobiology and Neurogenetics, Munich (Germany)
Jan 2013-Jan 2015 HHMI Research Specialist, Stanford University (U.S.A)
Jan 2008-Dec 2012 Postdoctoral fellow, Stanford University (U.S.A)
Jan 2007-Dec 2007 Postdoctoral fellow, Max Planck Institute of Molecular Cell Biology and Genetics, Dresden (Germany)

Education

Sept 2002 -Dec 2006 Ph.D. student, Max Planck Institute of Molecular Cell Biology and Genetics, Dresden (Germany)
Jan 2002-Aug 2002 Graduate fellow, University of Palermo (Italy)
Feb 2000-Aug 2000 Erasmus exchange student, IFREMER University of Montpellier (France)
Sept 1996-Dec 2001 Student, Biological Sciences, University of Palermo (Italy)

List of acquired third party funds

2021 – 2024 DFG research grant AT205/10-1: *“How does activity of CA3 engram neurons affect CA1 spatial codes?”.*
2021 – 2024 DFG research grant AT205/9-1: *“Maintaining Activity Set-Points in the Hippocampus: From Long-Term Dynamics of Excitatory and Inhibitory Synapses to Functional Stability of CA1 Circuits”.*

- 2020 – 2023 DFG research grant AT205/7-1.** “*The impact of neuronal activity on functional rewiring of hippocampal CA1 excitatory neurons*”
- 2017 – 2020 Schram foundation research grant T287/29575/2017.: “*Determining the function of local inhibitory circuits in the synaptic dynamics of hippocampal pyramidal neurons during learning and memory*”
- 2017 – 2020 DFG research grant AT205/1-1.: “*Investigating the effects of chronic stress on hippocampal representations, synaptic connectivity and learning*”

Publication list

- 2020 Castello-Waldow TP, Weston G, Ulivi AF, Chenani A, Loewenstein Y, Chen A and **Attardo A**. Hippocampal neurons with stable excitatory connectivity become part of neuronal representations. *PLoS Biol* 18(11): e3000928.
- 2019 Ulivi AF, Castello-Waldow TP, Weston G, Yan L, Yasuda R, Chen A and **Attardo A**. A preparation for longitudinal two-photon imaging of dorsal hippocampal CA1 in live mice. *J. Vis. Exp.* 2019; (148)
- 2018 **Attardo A***, Lu J, Kawashima T, Okuno H, Fitzgerald JE, Bito H and Schnitzer MJ*. Long-term consolidation of ensemble neural plasticity patterns in hippocampal area CA1. *Cell Reports*. 2018; 25(3): 640-650 * Co-corresponding authors
- 2015 **Attardo A***, Fitzgerald JE*, Schnitzer MJ. Impermanence of dendritic spines in live adult CA1 hippocampus. *Nature*. June 2015:1-17. * Equal contribution
- 2011 Barretto RPJ, Ko TH, Jung JC, Wang TJ, Capps G, Waters A, Ziv Y, **Attardo A**, Recht L and Schnitzer MJ. Time-lapse imaging of disease progression in deep brain areas using fluorescence microendoscopy. *Nat Med*. 2011;17(2):223-228.
- 2010 **Attardo A**, Fabel K, Krebs J, Haubensak W, Huttner WB, Kempermann G. Tis21 expression marks not only populations of neurogenic precursor cells but also new postmitotic neurons in adult hippocampal neurogenesis. *Cereb Cortex*. 2010;20(2):304-314.
- 2009 Kowalczyk T, Pontious A, Englund C, Daza RAM, Bedogni F, Hodge R, **Attardo A**, Bell C, Huttner WB and Hevner RF. Intermediate neuronal progenitors (basal progenitors) produce pyramidal-projection neurons for all layers of cerebral cortex. *Cereb Cortex*. 2009;19(10):2439- 2450
- 2008 - **Attardo A**, Calegari F, Haubensak W, Wilsch-Bräuninger M, Huttner WB. Live imaging at the onset of cortical neurogenesis reveals differential appearance of the neuronal phenotype in apical versus basal progenitor progeny. *PLoS ONE*. 2008;3(6):e2388.
- Bonilla S, Hall AC, Pinto L, **Attardo A**, Goetz M, Huttner WB and Arenas E. . Identification of midbrain floor plate radial glia-like cells as dopaminergic progenitors. *Glia*. 2008;56(8):809-820.
- Kosodo Y, Toida K, Dubreuil V, Alexandre P, Schenck J., Kiyokage E, **Attardo A**, Mora-bermudez F, Arii T, Clarke JDW and Huttner WB. Cytokinesis of neuroepithelial cells can divide their basal process before anaphase. *EMBO J*. 2008;27(23):3151-3163.
- 2006 Cappello S, **Attardo A**, Wu X, et al. The Rho-GTPase cdc42 regulates neural progenitor

fate at the apical surface. *Nat Neurosci.* 2006;9(9):1099-1107.

2004 Haubensak W, **Attardo A**, Denk W, Huttner WB. Neurons arise in the basal neuroepithelium of the early mammalian telencephalon: a major site of neurogenesis. *Proc Natl Acad Sci USA.* 2004;101(9):3196-3201

List of courses

2016 -date

- *Class*, The Role of Hippocampus in Learning and Memory. Biomedical Neuroscience MSc. Program, Technical University Munich (Germany)
- *Class and laboratory course*, Modern Optical Imaging in Neurobiology. Graduate School of Systemic Neurosciences. Munich (Germany)
- *Class*, Microscopy techniques: from Abbe to Zeiss. International Max Planck Research School for Translational Psychiatry. Munich (Germany)
- *Class and laboratory course*, Neuroimaging Techniques advanced course. Max Planck Florida Institute for Neuroscience. Jupiter, Florida (U.S.A.)

Ad hoc reviewer for

Scientific Journals: Biological Psychiatry, Cell death and differentiation, Scientific Reports

Funding agencies: ANR (French national funding agency), ISF (Israeli national funding agency) and OAW (Austrian national funding agency), Schram Foundation.

Academic supervision

Bachelor theses: 1 Master theses: 7 Ph.D. theses: 4 Postdoctoral fellows: 3

Organization experience

2019 Co-organizer and chair of the 6th Schram symposium: “*The mammalian brain: development and function*” (Satellite event of the 13th bi-annual meeting of the German Neuroscience Society). Goettingen, Germany.

2016 - Organizer of the annual retreat of the MPI of Psychiatry. Munich, Germany.
- Organizer of the first Schwabing Neuroscience Summit with the Technical University Munich. Munich, Germany.

2015 - 2016 Coordinator of the seminar series at the MPI of Psychiatry, Munich, Germany.

2015 EMBO laboratory management course

2005 - 2006 Organizer of the MPI of Molecular Cell Biology and Genetics Ph.D. retreat. Dresden, Germany.

Invited talks (Since independent)

2020 - Institute of Molecular Biology and Biotechnology, Heraklion, Greece
- Institute of Experimental Epileptology and Cognition Research, Bonn, Germany
- Padova Neuroscience Center, Padua, Italy.

2019 - International symposium: “The dynamic brain: synaptic plasticity and intrinsic volatility”, ELSC, , Israel
- Heidelberg Neuronal Ensembles Conference, Heidelberg, Germany
- International Conference on Brain Plasticity, Magdeburg, Germany

- Retreat of the Bernstein Center for Computational Neuroscience and University College London, Tutzing, Germany
 - Schram Symposium (German Society for neuroscience), Goettingen, Germany.
 - 2nd Munich Stress Meeting, Garmisch, Germany.
- 2018
- American Society for Neuroscience (SfN) meeting, San Diego, U.S.A.
 - European Neuroscience Institute, Goettingen, Germany.
 - Federation of European Neuroscience Societies (FENS) meeting, Berlin, Germany.
 - Ludwig-Maximilians-Universität, Munich, Germany.
 - Annual symposium of the Nencki Institute of Biology, Warsaw, Poland.
- 2017
- CNR, University of Milan, Milan, Italy
 - Plenary speaker, Edmond and Lily Safra Center for Brain Sciences retreat, Jerusalem, Israel.
 - Weizmann Institute of Science, Rehovot, Israel.
 - Gordon Research Conference: "*Dendrites: molecules, structure and function*", Lucca, Italy.
 - Wiley hippocampus conference, Taormina, Italy.
- 2016
- Cold Spring Harbour Asia Meeting: "*Probing Neural Networks with Light: Imaging Structure & Function in the Living Brain*", Suzhu, China.
- 2015
- University Medical Center, Utrecht University, The Netherlands.
 - University of Amsterdam (UvA), Amsterdam, The Netherlands.
 - IZN, Heidelberg, Germany.
 - 13th International Summer School of Neuroscience. Catania, Italy.
 - Bernstein Center for Computational Neuroscience, Munich, Germany.