

CV PETER JONAS

CURRICULUM VITAE

Surname: Jonas
First name: Peter Michael
ORCID: 0000-0001-5001-4804
Date of birth: May 10, 1961
Nationality: German
Family: Married, two children

Scientific Positions:

Since 2010 Full Professor and founder of a Neuroscience Research Cluster, Institute of Science and Technology (IST) Austria
1998 & 2003 Sabbatical, Vollum Institute, OHSU, Portland, Oregon (laboratory of Prof. Gary Westbrook)
1995–2010 Full Professor and Head of Department, University of Freiburg, Physiological Institute
1994–1995 Associate Professor, Technical University of Munich, Physiological Institute (dep. of Prof. Josef Dudel)
1992 Habilitation, University of Heidelberg
1990–1994 Research Assistant, Max Planck Institute for Medical Research, Department of Cell Physiology, Heidelberg (Prof. Bert Sakmann)
1988–1989 Postdoctoral fellow at the Physiological Institute, University of Giessen (Prof. Werner Vogel)
1987 MD, summa cum laude, University of Giessen

Scientific Honors and Awards:

2018 Schrödinger Award of the Austrian Academy of Sciences (ÖAW)
2016 Wittgenstein Award of the Austrian Minister of Science, Research and Economy and the Austrian Science Fund (1.5 Mio €)
2016 ERC Advanced Grant “Biophysics and circuit function of a giant cortical glutamatergic synapse” (2.67 Mio €)
2015 Elected Member Academia Europaea
2011 David Smith Lecture, Oxford
2011 Adrian Lecture, Cambridge
2011 ERC Advanced Grant “Nanophysiology of fast-spiking, parvalbumin-expressing GABAergic interneurons” (2.5 Mio €)
2009 Adolf-Fick Award, Physicomeditical Society, Würzburg
2008–2010 Internal Senior Fellow of the Freiburg Institute for Advanced Studies
2008 Elected Member of the Academy of Sciences, Heidelberg
2007 Tsungming Tu Award, National Science Council of Taiwan (75.000 \$)
2006 Szentagothai Memorial Lecture, University of California, Irvine
2006 Gottfried Wilhelm Leibniz Award, German Research Council (1.55 Mio €)
Since 2002 Elected Member, German National Academy of Sciences Leopoldina
1998–2001 Human Frontiers Science Program Organization Grant (PI; with Gary Westbrook, Kunihiro Obata, and Bill Wisden)
1998 Max Planck Research Award for international cooperation
1997 Medinfa European Prize in Physiology, President of Portugal
1994 Heinz Maier Leibniz Award, German minister for education and science
1992 Heisenberg Fellowship, German Research Council
1991 Franz Vogt Award, University of Giessen

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Offers for positions:

- 2006 Offer of a Chair of Neurobiology, University of California, Irvine (declined)
1999 Offer of a Chair of Physiology and Pharmacology, Biocenter Basel, succession of Prof. J.G. Nicholls (declined)
1999 Offer of a Chair of Physiology, University of Heidelberg, succession of Prof. J.C. Rüegg (declined)

Member of Editorial Boards and related distinctions:

- Since 2017 Elected Member of the Dana Alliance for Brain Initiatives (DABI)
Since 2016 Member of the Editorial Board, *Neuron*
2013 Top reviewer for *The Journal of Neuroscience* (with an extraordinary number of thoughtful reviews)
2007 Member of the Board of Reviewing Editors, *Science*
2001–2006 Member of the Editorial Board, *The Journal of Neuroscience*
1996–2003 Member of the Editorial Board, *The Journal of Physiology* (London)

Member of Advisory Boards and Grant Panels:

- 2019 Member of the ERC Starting grant evaluation panel LS5
2008–2016 Member of the Advisory Board, Max Planck Institute of Biophysical Chemistry, Göttingen
2013 Member of the ERC Synergy grant evaluation panel
2004–2007 Member of the grant review panel (Fachkollegium) Neuroscience of the German Research Council

Coordinator of Research Centers:

- 2008–2010 Coordinator of the Collaborative Research Center “Synaptic Mechanisms of Neuronal Network Function” (SFB 780)

Invited Lectures (selected, 2011–2019):

- 2019 Gordon Research Conference “Excitatory Synapses and Brain Function“, keynote lecture (scheduled)
2018 Dutch Neuroscience Meeting, Lunteren “Fast spiking interneurons in network signal processing in health or disease“, keynote lecture
2018 Caesar Conference “Missing links in neuroscience: Bridging scales in theory and experiment“, Bonn
2018 Leopoldina symposium “From synapses to circuits in health and disease“, keynote lecture
2018 20th International Neuroscience Winter Conference, Sölden, Austria
2018 Brain Rhythms in Health & Disease Symposium, MIT, USA
2017 Congressi Stefano Franscini “The assembly and function of neuronal circuits“, Ascona, Switzerland
2017 Gordon Research Conference “Inhibition in the CNS“, Les Diablerets, Switzerland, keynote lecture
2017 Blankenese conference “Synaptic plasticity versus stability“, Hamburg, Germany
2017 NWG Symposium “Tuning ion channels, myelin, and synapses for rapid axonal signaling“, Göttingen, Germany

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- 2016 Opening symposium of Einstein Center for Neurosciences, Berlin, Germany
- 2016 IFM Colloquium 2016: „GABA signaling in the brain“, Paris, France
- 2016 OIST-JSPS symposium “Nanoscopic Synaptic Functions”, Okinawa, Japan
- 2016 International Neuroscience Conference: Linking cellular properties to neuronal network dynamics, Marseille, France
- 2016 “Molecular Mechanisms in the Synapse: Experiments and Modeling”, Janelia Farm, Ashburn, VA, USA
- 2016 FENS Symposium “Modeling of synaptic transmission: the presynaptic side”, Copenhagen, Denmark
- 2015 ANA Symposium, Salzburg, Austria
- 2015 Open Source Brain workshop, Alghero, Italy
- 2015 Neurizons meeting, Göttingen, Germany
- 2015 4th Schram Foundation Symposium "The molecular basis of neuronal circuit formation and function", Essen, Germany
- 2014 NIH Mini Symposium “Giant Synapses: Mechanistic Insights into Synaptic Function”, Bethesda, WA, USA
- 2014 Stanford Seminar Series, Stanford, CA, USA
- 2014 Jacques Monod Conference, Roscoff, France
- 2014 Symposium “Nanophysiology of Presynaptic Ca²⁺ Signaling”, Sölden, Austria
- 2014 SFB Kickoff Meeting, Bonn, Germany
- 2013 10th biannual conference of the Chinese Neuroscience Society, Plenary Lecture, Beijing, China
- 2013 Gordon Research Conference “Inhibition in the CNS”, Les Diablerets, Switzerland
- 2013 Gordon Research Conference “Excitatory Synapses and Brain Function”, Les Diablerets, Switzerland
- 2013 Symposium of German Physiological Society, Heidelberg, Germany
- 2012 “Neuron Types in the Hippocampal Formation: Structure, Activity, and Molecular Genetics”, Janelia Farm, Ashburn, VA, USA
- 2012 Symposium “Inhibitory functional architecture in the cerebral cortex” FENS Forum of Neuroscience, Barcelona, Spain
- 2012 Symposium “60 years of the Hodgkin-Huxley model”, Trinity College, Cambridge, UK
- 2012 Anniversary Symposium for Bert Sakmann, Munich, Germany
- 2012 International Neuroscience Symposium, Bonn, Germany
- 2012 IBRO International workshop, Plenary Lecture, Szeged, Hungary

Organization of scientific meetings:

- 2017 Co-chair, minisymposium “The Dentate Gyrus”, Society for Neuroscience meeting
- 2014 Chair, Gordon Research Conference “Synaptic Transmission”
- 2012 Vice-Chair, Gordon Research Conference “Synaptic Transmission”
- 2005 President of the Jacques Monod conference "Synaptic communication in neuronal networks: From molecule to code"

Present funding:

- 2017–2022 FWF, Wittgenstein Award, funding: 1.5 Mio €

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2017–2022 European Advanced Grant, funding: 2.67 Mio €
2016–2019 FWF Doktoratskolleg “CCHD”

Current peer review activities:

- Member of the Board of Reviewing Editors of *Science* (~ 3 papers per week)
- Member of the Editorial Board of *Neuron*
- Reviewer for *Nature*, *Science*, *Nature Neuroscience*, *Nature Medicine*, *Nature Communications*, *Nature Reviews Neuroscience*, *Neuron*, *Cell*, *Cell Reports*, *ELife*, *Plos Biology*, *PNAS*, *The Journal of Neuroscience*, and *The Journal of Physiology* (currently ~ 40 papers per year).
- Reviewer for the Humboldt Foundation, Leopoldina, and the German Research Council (currently ~ 5 applications per year)
- Invited nominator for Gottfried-Wilhelm-Leibniz prize, Kyoto Prize, and Tang Prize.