

Prof. Dr. rer. nat. Hans-Christian Pape

Academic education and degrees:

1986	Dr. rer. nat. Degree (PhD)
1983 – 1987	Research Associate, Section Neurophysiology, Medical Faculty, University of Essen, Germany
1982	Diploma Biology
1976 – 1982	Study of Biology, Ruhr-University Bochum, Germany

Professional experience:

since 2004	Professor and Head of Institute of Physiology I (Neurophysiology), Medical Faculty, University of Münster, Germany
1994 – 2004	Professor and Head of Institute of Physiology, Medical Faculty, Otto von Guericke University Magdeburg
1992	Habilitation/Venia legendi in Physiology
1989 – 1994	Assistant Professor, Institute of Neurophysiology, Medical Faculty, Ruhr-Universität Bochum, Germany
1988	Postdoctoral Research Associate, Section of Neurobiology, Yale University, USA
1987	Postdoctoral Research Associate, Department of Neurobiology, State University of New York at Stony Brook, USA

Honors and special recognitions:

since 2018	President of the Alexander von Humboldt Foundation
2016 – 2017	Chairperson of the Scientific Commission, German Council for Science and Humanities (“Wissenschaftsrat”)
2011 – 2017	Member of the German Council for Science and Humanities
since 2008	Spokesperson of the Collaborative Research Centre (SFB-TRR58) “Fear, Anxiety, Anxiety Disorders”
2008	Research Award of the University of Münster
2007	Max Planck Research Award of the Alexander von Humboldt Foundation
2006 – 2012	Spokesperson of the Research Unit Neuromedicine, University of Münster
2006	Distinguished Teacher of the Year, Medical Faculty, University of Münster
since 2005	Member of the National Academy of Sciences “Leopoldina”
2001 – 2013	Local Coordinator of the Collaborative Research Centre (SFB-TRR3) “Mesial Temporallobe Epilepsies”

1999 – 2005	Member of the Senate of the Deutsche Forschungsgemeinschaft (DFG)
1999	Gottfried Wilhelm Leibniz Award of the Deutsche Forschungsgemeinschaft (DFG)
1997 – 2004	Spokesperson of the Collaborative Research Centre (SFB 426) “Limbic Structures and Functions”
1997	Research Award of the Otto von Guericke University Magdeburg
1993	Heisenberg-Stipend of the Deutsche Forschungsgemeinschaft (DFG)
1990	Bennigsen Research Award, Ministry of Research and Development of North Rhine-Westphalia

Scientific Advisory Boards and Committees:

since 2018	Member of the Alliance of Science Organisations
since 2018	Member of the Managing Board and Board of Trustees of DAAD
since 2018	Member of the Board of Trustees of Association of Sponsors for the Promotion of German Science
since 2018	Member of the Board of Trustees of the German National Academic Foundation
since 2018	Member of the Foundation Council and Conference of Wissenschaftskolleg zu Berlin
since 2018	Member of the Program Committee of the Humboldt-Forum
since 2018	Member of the Board of Trustees of MPI for Molecular Cell Biology and Genetics, Dresden
since 2018	Member of the Selection Committee Baden-Württemberg Fonds for Persecuted Scientists
since 2018	Member of the Society for Promotion of the German Council for Science and Humanities
since 2018	Member SAB German Resilience Centre Mainz
since 2017	Member DFG Selection Committee “Gottfried Wilhelm Leibniz-Award”
since 2017	Member Governing Body University Witten/Herdecke
since 2016	Member Research Council University of Münster
2015 – 2017	Member Strategic Commission of the German Council for Science and Humanities and the German Research Foundation
since 2011	Member Scientific Advisory Board Research Centre “Translational Neuroscience”, Johannes Gutenberg University Mainz
since 2011	Member Scientific Advisory Board “European Neuroscience Institute“, Georg-August-Universität Göttingen
since 2009	Member Scientific Advisory Board Cluster of Excellence “Cellular Networks“, Heidelberg University

2007	Member Evaluation Board "INSERM INMED", Marseille, France
since 2006	Member Steering Committee "Interdisciplinary Centre of Clinical Research", University of Münster
2004 – 2012	Member of the DFG/DAAD Selection Committee "Promotionen an Hochschulen in Deutschland"
2003 – 2009	Member Scientific Advisory Board "Interdisciplinary Centre of Neuroscience", Heidelberg University
2001 – 2009	Member Scientific Advisory Board "Hanse-Wissenschaftskolleg" of Bremen/Niedersachsen
2002 – 2008	Member Scientific Advisory Board "Neuroscientific Centre", Humboldt-Universität zu Berlin
2001 – 2010	Member Scientific Advisory Board "Neuroscience Centre", University of Helsinki, Finland

Research areas:

Fear, Anxiety, Anxiety Disorders; Rhythms of the Brain; Experimental Epilepsy Research

Best 10 publications of career:

- Lange MD, Daldrup T, Remmers F, Szkudlarek HJ, Lesting J, Guggenhuber S, Ruehle S, Jüngling K, Seidenbecher T, Lutz B, Pape HC (2016) Cannabinoid CB1 receptors in distinct circuits of the extended amygdala determine fear responsiveness to unpredictable threat. *Mol Psychiatry*. 2016 Oct 4. doi: 10.1038/mp.2016.156.
- Pape HC, Paré D (2010) Plastic synaptic networks of the amygdala for the acquisition, expression, and extinction of conditioned fear. *Physiol Rev* 90:419-463. Review Article.
- Jüngling K, Seidenbecher T, Sosulina L, Lesting J, Sangha S, Clark S, Okamura N, Duangdao D, Xu YL, Reinscheid R, Pape HC (2008) Neuropeptide S-mediated control of fear expression and extinction: role of intercalated GABAergic neurons in the amygdala. *Neuron* 59:298-310.
- Seidenbecher T, Laxmi TR, Stork O, Pape HC (2003) Amygdalar and hippocampal theta rhythm synchronization during fear memory retrieval. *Science* 301:846-850.
- Budde T, Sieg F, Braunewell KH, Gundelfinger E, Pape HC (2000) Calcium-induced calcium release supports the relay mode of activity in thalamocortical cells. *Neuron* 2:483-492.
- Pape HC (1996) Queer current and pacemaker: the hyperpolarization-activated cation current in neurons. *Ann Rev Physiol* 58: 299-327. Review Article.
- Tsakiridou E, Bertollini L, DeCurtis M, Avanzini G, Pape HC (1995) Selective increase in T-type calcium conductance in a rat model of absence epilepsy. *J Neurosci* 15:3110-3117.
- Pape HC, Mager R (1992) Nitric oxide controls oscillatory activity in thalamocortical neurons. *Neuron* 9:441-448.
- Pape HC, McCormick DA (1989) Norepinephrine and serotonin selectively modulate thalamic burst firing by enhancing a hyperpolarization-activated cation current. *Nature* 340:715-718.
- McCormick DA, Pape HC (1988) Acetylcholine inhibits identified interneurons in the cat lateral geniculate nucleus. *Nature* 334:246-248.