

Matthias Endres

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Curriculum vitae

Since 2017	Visiting professor, University of Oxford, UK
Since 2017	Coordinator of Clinical Research, German Center for Neurodegenerative Diseases (DZNE), Berlin
Since 2010	Spokesperson, Clinical Research Group (KFO) 247 'Deep Brain Stimulation: Mechanisms, Physiology and Optimisation of Therapy', German Research Foundation (DFG)
Since 2009	Medical director, Center for Neurology, Neurosurgery, and Psychiatry, Charité, Berlin
Since 2008	Director, Department of Neurology, Charité, Berlin
Since 2008	Full professor (W3), Department of Neurology, Charité, Berlin
Since 2008	Director, Center for Stroke Research Berlin (CSB)
2005 – 2008	Professor (W2), Interdisciplinary Stroke Research, Lichtenberg Program, Volkswagen Foundation, Charité, Berlin
2004 – 2007	Attending physician, Department of Neurology, Stroke Unit, and Intensive Care Unit, Charité, Berlin
2003 – 2005	Heisenberg Professorship, German Research Foundation (DFG), Charité, Berlin
1998 – 2004	Research group leader, Department of Experimental Neurology, Charité, Berlin
1998 – 2003	Resident, Department of Neurology, Charité, Berlin
1996 – 1998	Fellow, Neuroscience Center, Massachusetts General Hospital, Harvard Medical School, US
1994 – 1996	Resident, Department of Neurology, Universität Lübeck
1988 – 1994	Studies in Medicine, Ruhr-Universität Bochum and Universität Hamburg

Research fields

Our group is active in the field of stroke research with the following major areas:

- Preventive vascular mechanisms (endothelial function, physical activity, pharmacology)
- Mechanisms of cell death (cell cycle activation, DNA damage and repair, apoptosis)
- Regeneration and functional outcome (cellular plasticity, neurogenesis)
- Clinical studies (stroke unit, telemedicine)

Activities in the scientific community, honors, awards

Since 2016	Member, Leopoldina – German National Academy of Sciences
Since 2011	Principal investigator, German Center for Cardiovascular Diseases (DZHK), Berlin
Since 2009	Member, board of directors, German Stroke Society
2008	Pette Award, German Society of Neurology
2002	Paul Martini Award, Paul Martini Foundation
2000	Adolf Wallenberg Award, German Society of Neurology
1999	Niels Lassen Award, International Society of Cerebral Blood Flow and Metabolism
1998	Oskar Lapp Award, German Society of Cardiology
1991 – 1994	Studienstiftung des deutschen Volkes, German Academic Scholarship Foundation

Selected publications

- Kunz A, Ebinger M, Geisler F, Rozanski M, Waldschmidt C, Weber JE, Wendt M, Winter B, Zieschang K, Fiebach JB, Villringer K, Erdur H, Scheitz JF, Tutuncu S, Bollweg K, Grittner U, Kaczmarek S, Endres M, Nolte CH, Audebert HJ. Functional outcomes of pre-hospital thrombolysis in a mobile stroke treatment unit compared with conventional care: an observational registry study. *Lancet Neurol* 2016; 15:1035-1043
- Ebinger M, Winter B, Wendt M, Weber JE, Waldschmidt C, Rozanski M, Kunz A, Koch P, Kellner PA, Gierhake D, Villringer K, Fiebach JB, Grittner U, Hartmann A, Mackert BM, Endres M, Audebert HJ, Consortium S. Effect of the use of ambulance-based thrombolysis on time to thrombolysis in acute ischemic stroke: a randomized clinical trial. *JAMA* 2014; 311:1622-1631
- Kronenberg G, Balkaya M, Prinz V, Gertz K, Ji S, Kirste I, Heuser I, Kampmann B, Hellmann-Regen J, Gass P, Sohr R, Hellweg R, Waeber C, Juckel G, Hortnagl H, Stumm R, Endres M. Exofocal dopaminergic degeneration as antidepressant target in mouse model of poststroke depression. *Biol Psychiatry* 2012; 72:273-281
- Gertz K, Kronenberg G, Kalin RE, Baldinger T, Werner C, Balkaya M, Eom GD, Hellmann-Regen J, Krober J, Miller KR, Lindauer U, Laufs U, Dirnagl U, Heppner FL, Endres M. Essential role of interleukin-6 in post-stroke angiogenesis. *Brain* 2012; 135:1964-1980
- Hauck L, Harms C, An J, Rohne J, Gertz K, Dietz R, Endres M, von Harsdorf R. Protein kinase CK2 links extracellular growth factor signaling with the control of p27(Kip1) stability in the heart. *Nat Med* 2008; 14:315-324
- Gertz K, Priller J, Kronenberg G, Fink KB, Winter B, Schrock H, Ji S, Milosevic M, Harms C, Bohm M, Dirnagl U, Laufs U, Endres M. Physical activity improves long-term stroke outcome via endothelial nitric oxide synthase-dependent augmentation of neovascularization and cerebral blood flow. *Circ Res* 2006; 99:1132-1140
- Endres M, Laufs U, Liao JK, Moskowitz MA. Targeting eNOS for stroke protection. *Trends Neurosci* 2004; 27:283-289
- Endres M, Biniszkiwicz D, Sobol RW, Harms C, Ahmadi M, Lipski A, Katchanov J, Mergenthaler P, Dirnagl U, Wilson SH, Meisel A, Jaenisch R. Increased postischemic brain injury in mice deficient in uracil-DNA glycosylase. *J Clin Invest* 2004; 113:1711-1721
- Endres M, Fink K, Zhu J, Stagliano NE, Bondada V, Geddes JW, Azuma T, Mattson MP, Kwiatkowski DJ, Moskowitz MA. Neuroprotective effects of gelsolin during murine stroke. *J Clin Invest* 1999; 103:347-354
- Endres M, Laufs U, Huang Z, Nakamura T, Huang P, Moskowitz MA, Liao JK. Stroke protection by 3-hydroxy-3-methylglutaryl (HMG)-CoA reductase inhibitors mediated by endothelial nitric oxide synthase. *Proc Natl Acad Sci USA* 1998; 95:8880-8885