

## Prof. Dr. med. Matthias Endres

born 7<sup>th</sup> of April 1969 in Sigmaringen, Germany

present position and address

Professor and Chair Dept Neurology  
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education and training

- 1988-1994 Medical training, University of Bochum, University of Hamburg

work history

- 1995 Doctoral thesis, University of Hamburg
- 2001 Habilitation, Humboldt University Berlin
- 1994-1996 Resident in Neurology, Medical University of Lübeck (Prof. D Kömpf)
- 1996-1998 Post-doctoral research fellow (DFG), Massachusetts General Hospital, Harvard Medical School (Prof. MA Moskowitz)
- 1998-2002 Resident in Neurology, Charité Hospital, (Prof. KM Einhäupl)
- 2003-2005 Heisenberg Scholarship (DFG)
- 2005-2008 Lichtenberg Professorship (Volkswagen Foundation), Dept Neurology, Charité
- 2008 Offer Professor and Chair, Dept Neurology, University of Leipzig (declined)
- 2008 Offer Professor and Chair, Dept Neurology, University of Würzburg (declined)
- 2008 Professor and Chair, Dept Neurology, Charité Universitätsmedizin Berlin
- 2008 Director, Center for Stroke Research Berlin
- 2009 Medical Director, Charité Center 15 for Neurology, Neurosurgery, and Psychiatry
- 2012 Offer Professor and Chair, Dept Neurology, University of Heidelberg (declined)

honours

- 2017 Visiting Professor, University of Oxford, GB
- 2016 Leopoldina, National Academy of Sciences
- 2013 Board of Directors, Int. Soc. Cereb. Blood Flow Metabolism (ISCBFM)
- 2011 Primary investigator, German Centers for Cardiovascular Research (DZHK) and Neurodegenerative Diseases (DZNE)
- 2010 Speaker, DFG Clinical Research Group KFO 247
- 2009 Board of Directors, German Stroke Society
- 2008 Founding Director, Center for Stroke Research Berlin (BMBF, IFB)
- 2008 Pette Award, German Society of Neurology
- 2005 Lichtenberg Professor, Volkswagen Foundation
- 2003 Heisenberg Scholarship, German Research Foundation (DFG)
- 2002 Paul Martini Award, Paul Martini Foundation
- 2000 Adolf Wallenberg Award, German Society of Neurology
- 1999 Nils Lassen Award, Int. Soc. Cereb. Blood Flow Metabolism
- 1998 Oskar-Lapp Award, German Society Cardiology
- 1991 - 1994 Studienstiftung des deutschen Volkes (German National Scholarship)

major research interest

Stroke and Neurointensive Care

My group is interested in vascular mechanism of stroke protection, mechanisms of neuronal cell death, regeneration and recovery, long-term stroke sequelae including neuropsychiatric complications, heart- and brain interfaces, telemedicine

## major references

Mochmann HC, Scheitz JF, Petzold GC, Haeusler KG, Audebert HJ, Laufs U, Schneider C, Landmesser U, Werner N, **Endres M\***, Witzensbichler B\*, Nolte CH\*; TRELAS Study Group. Coronary Angiographic Findings in Acute Ischemic Stroke Patients With Elevated Cardiac Troponin: The Troponin Elevation in Acute Ischemic Stroke (TRELAS) Study. *Circulation*. 2016 Mar 29;133(13):1264-71. (\* shared senior position)

Hoffmann CJ, Harms U, Rex A, Szulzewsky F, Wolf SA, Grittner U, Lättig-Tünnemann G, Sendtner M, Kettenmann H, Dirnagl U, **Endres M\***, Harms C\*. Vascular signal transducer and activator of transcription-3 promotes angiogenesis and neuroplasticity long-term after stroke. *Circulation*. 2015 May 19;131(20):1772-82. (\* shared senior position)

Scheitz JF, Nolte CH, Laufs U, **Endres M**. Application and interpretation of high-sensitivity cardiac troponin assays in patients with acute ischemic stroke. *Stroke*. 2015 Apr;46(4):1132-40.

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(16):1622-31.

Gertz K, Kronenberg G, Kälin RE, Baldinger T, Werner C, Balkaya M, Eom GD, Hellmann-Regen J, Kröber J, Miller KR, Lindauer U, Laufs U, Dirnagl U, Heppner FL, **Endres M**. Essential role of interleukin-6 in post-stroke angiogenesis. *Brain*. 2012 Jun;135(Pt 6):1964-80.

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, Hörtnagl H, Stumm R, **Endres M**. Exofocal dopaminergic degeneration as antidepressant target in mouse model of poststroke depression. *Biol Psychiatry*. 2012 Aug 15;72(4):273-81.

**Endres M.**, Heuschmann, P. U., Laufs, U., & Hakim, A. M. (2011). Primary prevention of stroke: blood pressure, lipids, and heart failure. *European Heart Journal*, 32(5), 545–52.

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(3):315-24.

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(10):1132-40.

**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(12):1711-21.

**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(3):347-54.

**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. *PNAS*. 1998;95(15):8880-5.

Berlin, den 30.10.2017

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