

Ulrich Dirnagl

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Curriculum vitae

Since 2017	Founding director, Center for Transforming Biomedical Research, Berlin Institute of Health (BIH)
Since 2017	Visiting professor, University of Oxford, UK
Since 2015	Co-founder and coordinator (with C. Garner), SPARK-Berlin
2013 – 2017	Coordinator of Clinical Research, German Center for Neurodegenerative Diseases (DZNE), Berlin
Since 2007	Member, board of directors, NeuroCure – Cluster of Excellence, Berlin
2005 – 2007	Spokesperson, Collaborative Research Center (SFB) 507 ‘Role of non-neuronal cells in neurological disorders’, German Research Foundation (DFG)
2001 – 2017	Program director, International Graduate Program Medical Neurosciences, Berlin
Since 1999	Full professor and head, Department of Experimental Neurology, Charité, Berlin
1995 – 1999	Heisenberg Professorship, German Research Foundation (DFG)
1990 – 1993	Resident, Department of Neurology, Ludwig-Maximilians-Universität, Munich
1988 – 1989	Research fellow and instructor, Department of Neuroscience, Cornell University Medical Center, US
1987 – 1988	Research assistant, Department of Neurology, Ludwig-Maximilians-Universität, Munich
1988	Doctoral degree (Dr. med.), Ludwig-Maximilians-Universität, Munich
1987	Medical degree (‘Approbation’), Ludwig-Maximilians-Universität, Munich

Research fields

Our research program focuses on

- Physiology and pathophysiology of cerebral blood flow and metabolism
- Cerebral ischemia and endogenous neuroprotection
- Brain inflammation and brain-immune interaction
- Brain imaging
- Quality and predictiveness of translational neuroscience

Activities in the scientific community, honors, awards

Since 2017	Member, board of directors, Center for Stroke Research, Berlin
2017	Münster Heart Center Lecture Award
2016	Berliner Wissenschaftspreis, presented by the Governing Mayor of Berlin
Since 2016	Member, board of directors, Einstein Center for Neurosciences (ECN) Berlin
2016	Thomas Willis Lecture Award 2016, American Heart Association
2008 – 2013	Coordinator, Affording Recovery in Stroke (ARISE), European Stroke Network (ESN)
2007 – 2015	General Secretary, German Neuroscience Society
2007 – 2013	Member, Senate Commissions of the German Research Foundation (DFG) on graduate programs
1993	Gerhard Hess Prize, German Research Foundation (DFG)

Selected publications

- Holman C, Piper SK, Grittner U, Diamantaras AA, Kimmelman J, Siegerink B, Dirnagl U. Where Have All the Rodents Gone? The Effects of Attrition in Experimental Research on Cancer and Stroke. *PLoS Biol* 2016; 14:e1002331
- Begley CG, Buchan AM, Dirnagl U. Robust research: Institutions must do their part for reproducibility. *Nature* 2015; 525:25-27
- Enzmann G, Mysiorek C, Gorina R, Cheng YJ, Ghavampour S, Hannocks MJ, Prinz V, Dirnagl U, Endres M, Prinz M, Beschorner R, Harter PN, Mittelbronn M, Engelhardt B, Sorokin L. The neurovascular unit as a selective barrier to polymorphonuclear granulocyte (PMN) infiltration into the brain after ischemic injury. *Acta Neuropathol* 2013; 125:395-412
- Failli V, Kopp MA, Gericke C, Martus P, Klingbeil S, Brommer B, Laginha I, Chen Y, DeVivo MJ, Dirnagl U, Schwab JM. Functional neurological recovery after spinal cord injury is impaired in patients with infections. *Brain* 2012; 135:3238-3250
- Fernandez-Klett F, Offenhauser N, Dirnagl U, Priller J, Lindauer U. Pericytes in capillaries are contractile in vivo, but arterioles mediate functional hyperemia in the mouse brain. *Proc Natl Acad. Sci. USA* 2010; 107:22290-22295
- Dirnagl U. Oxygen maps in the brain. *Nat Methods* 2010; 7:697-699
- Dreier JP, Major S, Manning A, Woitzik J, Drenckhahn C, Steinbrink J, Tolias C, Oliveira-Ferreira AI, Fabricius M, Hartings JA, Vajkoczy P, Lauritzen M, Dirnagl U, Bohner G, Strong AJ, group Cs. Cortical spreading ischaemia is a novel process involved in ischaemic damage in patients with aneurysmal subarachnoid haemorrhage. *Brain* 2009; 132:1866-1881
- Harms H, Prass K, Meisel C, Klehmet J, Rogge W, Drenckhahn C, Gohler J, Bereswill S, Gobel U, Wernecke KD, Wolf T, Arnold G, Halle E, Volk HD, Dirnagl U, Meisel A. Preventive antibacterial therapy in acute ischemic stroke: a randomized controlled trial. *PLoS One* 2008; 3:e2158
- Dirnagl U. Bench to bedside: the quest for quality in experimental stroke research. *J Cereb Blood Flow Metab* 2006; 26:1465-1478
- Meisel C, Schwab JM, Prass K, Meisel A, Dirnagl U. Central nervous system injury-induced immune deficiency syndrome. *Nat Rev Neurosci* 2005; 6:775-786