

## Ulrich Dirnagl

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### Curriculum vitae

Since 2017	Visiting professor, Medical Sciences Division, University of Oxford, UK
2017	Founding chair, Center for Transforming Biomedical Research, Berlin Institute of Health (BIH)
Since 2015	Co-founder and coordinator (with C. Garner), SPARK-Berlin
2013 – 2018	Clinical Coordinator, German Center for Neurodegenerative Diseases (DZNE Berlin site)
Since 2008	Director, Center for Stroke Research Berlin (CSB)
Since 2007	Member, board of directors, NeuroCure – Cluster of Excellence, Berlin
2006 – 2008	Member, steering committee, Berlin Center for Regenerative Therapies
2005 – 2007	Spokesperson, Collaborative Research Center (SFB) 507 ‘Role of non-neuronal cells in neurological disorders’, German Research Foundation (DFG)
Since 2001	Program director, International Master-MD/PhD program Medical Neurosciences, Berlin
Since 2001	Co-chairman (together with M. Endres), Department of Neurology, Charité, Berlin
Since 1999	Deputy director, Neuroscience Research Center (NWFZ), Charité, Berlin
Since 1999	Full professor and head, Department of Experimental Neurology, Charité, Berlin
1995 – 1999	Heisenberg scholar, German Research Foundation (DFG)
1993 – 1999	Director, Division of Experimental Neurology, Charité, Humboldt-Universität zu Berlin
1990 – 1993	Resident, Department of Neurology, Ludwig-Maximilians-Universität (LMU) Munich
1988 – 1989	Research fellow and instructor, Department of Neuroscience, Cornell University Medical Center, US
1987 – 1988	Research assistant, Department of Neurology, LMU Munich
1988	Doctoral degree (Dr. med.), <i>summa cum laude</i> , LMU Munich
1987	Medical degree (‘Approbation’), LMU Munich

### Research fields

- 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
- Meta-Research

### Activities in the scientific community, honors, awards

2019	Charles Edouard Brown-Séguard Lecture Award of the European Academy of Neurology
2018	Elected member, Academia Europaea
2017	Münster Heart Center Lecture Award
2016	Berliner Wissenschaftspreis des Regierenden Bürgermeisters
2016	Thomas Willis Lecture Award 2016, American Heart Association
2008 – 2013	Coordinator, Affording Recovery in Stroke (ARISE), 14 partner EU large-scale Cooperation FP7; Coordinator, European Stroke Network (with S. Meairs)
2008	Offer, Directorship, Howard Florey Neuroscience Institute, Melbourne, AU
2007	General Secretary, German Neuroscience Society
2007	Member, Senate Committee and Grants Committee on research training groups, German Research Foundation (DFG)
2005	Commission for Helmholtz and Leibniz Stipends (DAAD)
1999 – 2006	Deputy Chairman, Research Committee, Charité, Berlin
1995 – 1999	Heisenberg fellowship, German Research Foundation (DFG)
1993	Gerhard Hess Prize, German Research Foundation (DFG)

## Selected publications

- Piper SK, Grittner U, Rex A, Riedel N, Fischer F, Nadon R, Siegerink B, Dirnagl U. Exact replication: Foundation of science or game of chance? *PLoS Biol* 2019; 17: e3000188
- Oyama N, Winek K, Backer-Koduah P, Zhang T, Dames C, Werich M, Kershaw O, Meisel C, Meisel A, Dirnagl U. Exploratory Investigation of Intestinal Function and Bacterial Translocation After Focal Cerebral Ischemia in the Mouse. *Front Neurol* 2018; 9: 937
- Emmrich JV, Neher JJ, Boehm-Sturm P, Endres M, Dirnagl U, Harms C. Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo). *F1000Research* 2017; 6: 1827
- Yarborough M, Bredenoord A, D'Abramo F, Joyce NC, Kimmelman J, Ogbogu U, Sena E, Strech D, Dirnagl U. The bench is closer to the bedside than we think: Uncovering the ethical ties between preclinical researchers in translational neuroscience and patients in clinical trials. *PLoS Biol* 2018; 16: e2006343
- 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
- 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 U S A* 2010; 107: 22290-22295
- 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