Andreas Meisel

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Department of Neurology
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Curriculum vitae

since 2009	Professor (W2), Neurology, NeuroCure Clinical Research Center
since 2009	Head, Berlin Stroke Alliance
since 2008	Head, research group, Cerebrovascular Diseases, NeuroCure Clinical Research Center
since 2006	Assistant Medical Director, Department of Neurology, Charité
2006 - 2009	Assistant Professor, Neurology, Center for Stroke Research Berlin, Charité
2007	Board certification in Laboratory Medicine
2006	Board certification in Intensive Care Neurology
2002 - 2006	Leader, junior research group (Althoff Fellow), Charité
2003	Board certification in Neurology
2002	Resident, Department of Psychiatry, Charité
1996 - 2002	Postdoctoral fellow (Advisor: Prof. U. Dirnagl), Experimental Neurology, Charité
1995 - 2003	Resident (Advisor: Prof. K.M. Einhäupl), Department of Neurology, Charité
1990 - 1994	Dissertation, Biocenter, University of Basel (Advisor: Prof. T. A. Bickle), and Institute of Medical Virology (Advisor: Prof. D. H. Krüger), Charité
1987 - 1994	Studies in Medicine, Charité and Molecular Biology, Biocenter University Basel

Research fields

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

- Mechanisms and functional relevance of CNS injury-induced immune modulation
- Endogenous mechanisms of hypoxic and metabolic stress response
- Epigenetic mechanisms of brain repair and plasticity
- Clinical trials in stroke and neuromuscular disorders

Medical Care

Inpatient and outpatient care for neurological disorders with special focus on stroke, neurological intensive care, and neuromuscular disorders.

Activities in the scientific community, honors, awards

since 2015	Section Editor BMC Neurology
2009-2015	Editor in PLoS One and Journal of Cerebral Blood Flow & Metabolism
2004 - 2006	Elected member, Faculty Council, Charité
2002 - 2006	Althoff Fellow, Charité

1996	Glaxo-Welcome-Award for Clinical Virology
1995	Sandoz-Award for therapeutic research
1994	Award of the German Society for Microbiology
1992	Robert Koch Award, Charité
1991	EMBO-Fellow, European Molecular Biology Organization

Selected publications

Romer C, Engel O, Winek K, Hochmeister S, Zhang T, Royl G, Klehmet J, Dirnagl U, Meisel C, Meisel A. Blocking stroke-induced immunodeficiency increases CNS antigen-specific autoreactivity but does not worsen functional outcome after experimental stroke. J Neurosci. 2015;35(20):7777-94.

Engel O, Akyuz L, Goncalves ACD, Winek K, Dames C, Thielke M, Herold S, Bottcher C, Priller J, Volk HD, Dirnagl U, Meisel C, Meisel A. Cholinergic Pathway Suppresses Pulmonary Innate Immunity Facilitating Pneumonia After Stroke. Stroke. 2015;46(11):3232-40.

Mergenthaler P, Lindauer U, Dienel GA, Meisel A. Sugar for the brain: the role of glucose in physiological and pathological brain function. Trends Neurosci. 2013;36(10):587-97.

Mergenthaler P, Kahl A, Kamitz A, van Laak V, Stohlmann K, Thomsen S, Klawitter H, Przesdzing I, Neeb L, Freyer D, Priller J, Collins TJ, Megow D, Dirnagl U, Andrews DW, Meisel A. Mitochondrial hexokinase II (HKII) and phosphoprotein enriched in astrocytes (PEA15) form a molecular switch governing cellular fate depending on the metabolic state. Proceedings of the National Academy of Sciences of the United States of America. 2012;109(5):1518-23.

Meisel C, Meisel A. Suppressing immunosuppression after stroke. N Engl J Med. 2011;365(22):2134-6.

Dirnagl U, Becker K, Meisel A. Preconditioning and tolerance against cerebral ischaemia: from experimental strategies to clinical use. Lancet Neurol. 2009;8(4):398-412..

Meisel C, Schwab JM, Prass K, Meisel A, Dirnagl U. Central nervous system injury-induced immune deficiency syndrome. Nat Rev Neurosci. 2005;6(10):775-86.

Prass K, Meisel C, Hoflich C, Braun J, Halle E, Wolf T, Ruscher K, Victorov IV, Priller J, Dirnagl U, Volk HD, Meisel A. Stroke-induced immunodeficiency promotes spontaneous bacterial infections and is mediated by sympathetic activation reversal by poststroke T helper cell type 1-like immunostimulation. J Exp Med. 2003;198(5):725-36.

Ruscher K, Freyer D, Karsch M, Isaev N, Megow D, Sawitzki B, Priller J, Dirnagl U, Meisel A. Erythropoietin is a paracrine mediator of ischemic tolerance in the brain: evidence from an in vitro model. J Neurosci. 2002;22(23):10291-301.

Meisel A, Bickle TA, Kruger DH, Schroeder C. Type III restriction enzymes need two inversely oriented recognition sites for DNA cleavage. Nature. 1992;355(6359):467-9.