

Frauke Zipp

Charité – Universitätsmedizin Berlin
Cecilie-Vogt-Klinik
Max Delbrück Center for Molecular Medicine
Charitéplatz 1, 10117 Berlin
Phone: +49 (0)30 - 450 539 028
E-Mail: frauke.zipp@charite.de



Research Areas:

- A Mechanisms of Damage
- B Endogenous Brain protection
- D Interaction Nervous/Immune System

Curriculum vitae

Prof. Dr. med. Frauke Zipp (* 1963)

- since 2006 W3 Professor; Director of the Cecilie Vogt Clinic, Charité - University Medicine Berlin; Group leader and Clinical Coordinator at the Max Delbrueck Center for Molecular Medicine, Berlin
- 2002 - 2006 C3 Professorship of Neuroimmunology, Charité, since 2004 Neurology Clinic at the Charité Campus Buch
- 1998 - 2002 'Oberarzt', Department of Neurology, Charité, Berlin, Prof. Dr. K. Einhäupl
- 1996 Visiting Scientist, National Institute of Health, Division of Neuroimmunology, Bethesda, MD, USA, (Advisor: Prof. H. McFarland)
- 1995 - 1998 Fellowship, Full boards and 'Habilitation' in Neurology, Department of Neurology at University of Tübingen, (Advisor: Prof. Dr. med. J. Dichgans)
- 1993 - 1995 Postdoctoral Fellow, Department of Neuroimmunology, Max Planck Institute, Martinsried, (Advisor: Prof. Dr. med. H. Wekerle and Prof. Dr. med. R. Hohlfeld)
- 1989 - 1992 Resident in Neurology, Department of Neurology, University of Frankfurt/Main Prof. Dr. med. P.A. Fischer
- 1986 - 1990 Medical thesis at Department of Anatomy, University of Frankfurt/Main (Advisor: Prof. M. Frotscher)
- 1982 - 1989 Studies in medicine at University of Frankfurt/Main

Research Fields

Our overall goal is to translate knowledge about immune regulation and effector mechanisms in inflammatory mechanisms of the brain into the clinic.

Key areas:

- T cell regulation

- neurodegeneration/neuroregeneration
- Immune cell/neural cell interactions
- Chronic inflammation of the nervous system such as multiple sclerosis
- Clinical diagnostic and therapy studies

Activities in the scientific community, honors, awards

2005	Heinrich Pette Award of the German Society of Neurology
2005	Offer of Chair in Neurology at the Queen Mary College London, UK
2005	Shortlisted for W3 Professorship and Head of Neurology for medical faculty at University of Cologne
2003	Nils-Ilja-Richter Award for work published in The Lancet, 2003
2001	Offer of C3 Professorship at the University Hospital Göttingen
1999	Research award of the DPC Academy for Clinical Diagnostics
1998	Langheinrich Award (research in multiple sclerosis)
1982 - 1989	Stipend of the "Studienstiftung des Deutschen Volkes"

Selected Publications

Schulze-Topphoff U., A. Prat, T. Prozorovski, V. Siffrin, M. Paterka, J. Herz, I. Bendix, I. Ifergan, I. Schadock, M.A. Mori, J. Van Horssen, F. Schröter, M.H. Han, M. Bader, L. Steinman, O. Aktas, F. Zipp. Activation of kinin receptor B1 limits encephalitogenic T lymphocyte recruitment to the central nervous system. *Nature Medicine* 2009, in press

Prozorovski T., U. Schulze-Topphoff, R. Glumm, J. Baumgart, F. Schröter, O. Niemann, E. Siegert, I. Bendix, O. Brüstle, R. Nitsch, F. Zipp, O. Aktas (2008) Sirt1 critically contributes to the redox-dependent fate of neural progenitors. *Nature Cell Biology*, 10: 385-394 §equally contributing

Paul F, Jarius S, Aktas O, Bluthner M, Bauer O, Appelhans H, Franciotta D, Bergamaschi R, Littleton E, Palace J, Seelig HP, Hohlfeld R, Vincent A, Zipp F (2007) Antibody to Aquaporin-4 in the diagnosis of neuromyelitis optica. *PLoS Med* 4: 669-674

Zipp F, Aktas O (2006) The brain as a target of inflammation: common pathways link inflammatory and neurodegenerative diseases. *Trends Neurosci* 29:518-27

Aktas O, Smorodchenko A, Brocke S, Infante-Duarte C, Prozorovski T, Meier S, Osmanova V, Kwidzinski E, Pohl E, Beyer M, Bechmann I, Nitsch R, Zipp F (2005) Neuronal damage in autoimmune neuroinflammation mediated by the death ligand TRAIL. *Neuron* 46:421-32

Würfel J, Bellmann-Strobl J, Brunecker P, Aktas O, McFarland H, Villringer A, Zipp F (2004) Changes in cerebral perfusion precede plaque formation in Multiple Sclerosis - A longitudinal Perfusion MRI study. *Brain* 127:111-9

Wandinger KP, Lunemann J, Wengert O, Bellmann-Strobel J, Aktas, O, Weber A, Grundstrom E, Ehrlich S, Wernecke KD, Volk HD, Zipp F (2003) TNF-related apoptosis inducing ligand (TRAIL) as a potential response marker for IFN-beta therapy in multiple sclerosis. *Lancet* 361:2036-43

Aktas O, Waiczies S, Smorodchenko A, Dorr J, Seeger B, Prozorovski T, Sallach S, Endres M, Brocke S, Nitsch R, Zipp F (2003) Treatment of relapsing paralysis in experimental encephalomyelitis by targeting Th 1 cells through atorvastatin. *J Exp Med* 197:711-23

Nitsch R, Bechmann I, Deisz RA, Haas D, Lehmann TN, Wendling U, Zipp F (2000) Human brain cell death induced by tumour-necrosis-factor-related apoptosis-inducing ligand (TRAIL). *Lancet* 356:827-8

Zipp F, Weil JG, Einhaupl KM (1999) No evidence for increased demyelinating diseases induced by hepatitis B vaccination. *Nat Med* 5:964-5