Frank Heppner
Charité – Universitätsmedizin Berlin
Department of Neuropathology
Charitéplatz 1
D-10117 Berlin

Phone: +49 (0)30 450536041
Email: frank.heppner@charite.de

Curriculum vitae

Since 2017	Vice dean for research, Charité – Universitätsmedizin Berlin
2014 – 2018	Co-coordinator, Collaborative Research Grant 'Elucidating the proteostatis network to control Alzheimer's disease', Berlin Institute of Health (BIH)
2010 – 2016	Spokesperson, Collaborative Research Center (SFB) TRR 43, 'The brain as a target of inflammatory processes', German Research Foundation (DFG)
Since 2007	Professor (W3) and chair, Department of Neuropathology, Charité, Berlin
2007	Neuropathology board exam (Facharzt für Neuropathologie)
2005	Venia legendi (Habilitation) for Pathology/Neuropathology, Universität Zürich, CH
2004 – 2007	Senior consultant and board certified neuropathologist, Institute of Neuropathology, Universität Zürich, CH
2003	Resident in Neuropathology, Institute of Neuropathology, Universität Bonn
2002 – 2003	Resident in Surgical Pathology, Institute of Surgical Pathology, Universität Zürich, CH
1999 – 2002	Postdoctoral fellow and resident, Department of Neuropathology, Universität Zürich, CH
1999	Doctoral degree (MD), Institute of Anatomy, Charité, Berlin
1991 – 1998	Studies in medicine, Universities in Lübeck, Hamburg, Berlin, and London, UK

Research fields

Our group is active in the field of experimental and translational neuropathology and neuroscience with the following major areas:

- Immunological aspects of neurological disorders such as neurodegenerative diseases
- Mechanisms of immunotherapeutic approaches
- Impact of neuroinflammation on systemic metabolism
- Biology of microglia

Activities in the scientific community, honors, awards

Since 2016	Member, Scientific Committee, Berlin Institute of Health (BIH)
2006	Siegenthaler-Habilitation Award, Universität Zürich, CH
2003	Leopoldina Postdoc Scholarship, German National Academy of Sciences
2003	Pfizer Research Award for Neurosciences and Diseases of the Nervous System, CH
1999 – 2001	Long-Term Fellowship, Human Frontier Science Program (HFSP)
1997 – 1998	PhD Fellowship, Boehringer Ingelheim Fonds
1996 – 1997	Member, Graduate College, German Research Foundation (DFG)

Selected publications

Prokop S, Miller KR, Drost N, Handrick S, Mathur V, Luo J, Wegner A, Wyss-Coray T, Heppner FL. Impact of peripheral myeloid cells on amyloid-beta pathology in Alzheimer's disease-like mice. J Exp Med 2015; 212:1811-1818

Heppner FL, Ransohoff RM, Becher B. Immune attack: the role of inflammation in Alzheimer disease. Nat Rev Neurosci 2015; 16:358-372

Vom Berg J, Prokop S, Miller KR, Obst J, Kalin RE, Lopategui-Cabezas I, Wegner A, Mair F, Schipke CG, Peters O, Winter Y, Becher B*, Heppner FL*. Inhibition of IL-12/IL-23 signaling reduces Alzheimer's disease-like pathology and cognitive decline. Nat Med 2012; 18:1812-1819 | *shared senior authorship

Locatelli G, Wortge S, Buch T, Ingold B, Frommer F, Sobottka B, Kruger M, Karram K, Buhlmann C, Bechmann I, Heppner FL, Waisman A, Becher B. Primary oligodendrocyte death does not elicit anti-CNS immunity. Nat Neurosci 2012; 15:543-550

Grathwohl SA, Kalin RE, Bolmont T, Prokop S, Winkelmann G, Kaeser SA, Odenthal J, Radde R, Eldh T, Gandy S, Aguzzi A, Staufenbiel M, Mathews PM, Wolburg H, Heppner FL*, Jucker M*. Formation and maintenance of Alzheimer's disease beta-amyloid plaques in the absence of microglia. Nat Neurosci 2009; 12:1361-1363 | *shared senior authorship

Falsig J, Julius C, Margalith I, Schwarz P, Heppner FL, Aguzzi A. A versatile prion replication assay in organotypic brain slices. Nat Neurosci 2008; 11:109-117

Heppner FL, Greter M, Marino D, Falsig J, Raivich G, Hovelmeyer N, Waisman A, Rulicke T, Prinz M, Priller J, Becher B, Aguzzi A. Experimental autoimmune encephalomyelitis repressed by microglial paralysis. Nat Med 2005; 11:146-152

Greter M, Heppner FL, Lemos MP, Odermatt BM, Goebels N, Laufer T, Noelle RJ, Becher B. Dendritic cells permit immune invasion of the CNS in an animal model of multiple sclerosis. Nat Med 2005; 11:328-334

Heppner FL, Musahl C, Arrighi I, Klein MA, Rulicke T, Oesch B, Zinkernagel RM, Kalinke U, Aguzzi A. Prevention of scrapie pathogenesis by transgenic expression of anti-prion protein antibodies. Science 2001; 294:178-182

Heppner FL, Christ AD, Klein MA, Prinz M, Fried M, Kraehenbuhl JP, Aguzzi A. Transepithelial prion transport by M cells. Nat Med 2001; 7:976-977