

Peter Vajkoczy

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Curriculum vitae

since 2008	Chair, Department of Neurosurgery, Charité 2006	Professor, Neurosurgery
2003 - 2007	Assistant medical director, Department of Neurosurgery, University Hospital Mannheim	
2001 - 2002	Senior physician, Department of Neurosurgery, University Hospital Mannheim	
2001	Habilitation in Neurosurgery	
1995 - 2001	Resident, Department of Neurosurgery, University Hospital Mannheim	
1988 - 1995	Medical studies, Ludwig-Maximilians-Universität München	

Research fields

- Angiogenesis
- Microcirculation
- Chronic/acute cerebral ischemia
- Oncology
- Endothelial cell biology

Activities in the scientific community, honors, awards

2003	Young Neurosurgeon Research Award, World Federation of Neurosurgical Surgeons (WFNS) and Wolfgang-Hoffmeister-Award, Medical Faculty for Clinical Medicine Mannheim
2002	Research Award, German Academy of Neurosurgery, Hemedex-Pioneer Investigator Award, and Hermann-Rein Prize, German Society for Microcirculation and Vascular Biology
1998	Travel Award, American Association of Cancer Research (AACR)
1990 - 1995	Scholar, German Scholarship Foundation

Selected publications

Onken J, Torka R, Korsing S, Radke J, Kremenetskaia I, Nieminen M, Bai X, Ullrich A, Heppner F, Vajkoczy P. Inhibiting receptor tyrosine kinase AXL with small molecule inhibitor BMS-777607 reduces glioblastoma growth, migration, and invasion in vitro and in vivo. *Oncotarget*. 2016;7(9):9876-89.

Brandenburg S, Muller A, Turkowski K, Radev YT, Rot S, Schmidt C, Bungert AD, Acker G, Schorr A, Hippe A, Miller K, Heppner FL, Homey B, Vajkoczy P. Resident microglia rather than peripheral macrophages promote vascularization in brain tumors and are source of alternative pro-angiogenic factors. *Acta Neuropathologica*. 2016;131(3):365-78.

Bayerl SH, Niesner R, Cseresnyes Z, Radbruch H, Pohlen J, Brandenburg S, Czabanka MA, Vajkoczy P. Time lapse in vivo microscopy reveals distinct dynamics of microglia-tumor environment interactions - a new role for the tumor perivascular space as highway for trafficking microglia. *Glia*. 2016.

Schneider UC, Davids AM, Brandenburg S, Muller A, Elke A, Magrini S, Atangana E, Turkowski K, Finger T, Gutenberg A, Gehlhaar C, Bruck W, Heppner FL, Vajkoczy P. Microglia inflict delayed brain injury after subarachnoid hemorrhage. *Acta Neuropathol*. 2015;130(2):215-31.

Muller A, Brandenburg S, Turkowski K, Muller S, Vajkoczy P. Resident microglia, and not peripheral macrophages, are the main source of brain tumor mononuclear cells. *Int J Cancer*. 2015;137(2):278-88.

Hecht N, Marushima A, Nieminen M, Kremenetskaia I, von Degenfeld G, Woitzik J, Vajkoczy P. Myoblast-mediated gene therapy improves functional collateralization in chronic cerebral hypoperfusion. *Stroke*. 2015;46(1):203-11.

Woitzik J, Pinczolits A, Hecht N, Sandow N, Scheel M, Drenckhahn C, Dreier JP, Vajkoczy P. Excitotoxicity and Metabolic Changes in Association With Infarct Progression. *Stroke*. 2014;45(4):1183-5.

Rocha SF, Schiller M, Jing D, Li H, Butz S, Vestweber D, Biljes D, Drexler HCA, Nieminen-Kelha M, Vajkoczy P, Adams S, Benedito R, Adams RH. Esm1 Modulates Endothelial Tip Cell Behavior and Vascular Permeability by Enhancing VEGF Bioavailability. *Circulation Research*. 2014;115(6):581-+.

Woitzik J, Dreier JP, Hecht N, Fiss I, Sandow N, Major S, Winkler M, Dahlem YA, Manville J, Diepers M, Muench E, Kasuya H, Schmiedek P, Vajkoczy P, Grp CS. Delayed cerebral ischemia and spreading depolarization in absence of angiographic vasospasm after subarachnoid hemorrhage. *J Cerebr Blood F Met*. 2012;32(2):203-12.

Macdonald RL, Higashida RT, Keller E, Mayer SA, Molyneux A, Raabe A, Vajkoczy P, Wanke I, Bach D, Frey A, Marr A, Roux S, Kassell N. Clazosentan, an endothelin receptor antagonist, in patients with aneurysmal subarachnoid haemorrhage undergoing surgical clipping: a randomised, double-blind, placebo-controlled phase 3 trial (CONSCIOUS-2). *Lancet Neurology*. 2011;10(7):618-25.