

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, Germany 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

Sarrafzadeh, A, Schlenk, F, Meisel, A, Dreier, J, Vajkoczy, P and Meisel, C. Immunodepression after aneurysmal subarachnoid hemorrhage. *Stroke*. 2011; 42, 53-8.

Macdonald, RL, Higashida, RT, Keller, E, Mayer, SA, Molyneux, A, Raabe, A, Vajkoczy, P, Wanke, I, Bach, D, Frey, A, Marr, A, Roux, S and 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 Neurol*. 2011; 10, 618-25.

Czabanka, M, Parmaksiz, G, Bayerl, SH, Nieminen, M, Trachsel, E, Menssen, HD, Erber, R, Neri, D and Vajkoczy, P. Microvascular biodistribution of L19-SIP in angiogenesis targeting strategies. *Eur J Cancer*. 2011; 47, 1276-84.

Czabanka, M, Vinci, M, Heppner, F, Ullrich, A and Vajkoczy, P. Effects of sunitinib on tumor hemodynamics and delivery of chemotherapy. *Int J Cancer*. 2009; 124, 1293-300.

Almog, N, Ma, L, Raychowdhury, R, Schwager, C, Erber, R, Short, S, Hlatky, L, Vajkoczy, P, Huber, PE, Folkman, J and Abdollahi, A. Transcriptional switch of dormant tumors to fast-growing angiogenic phenotype. *Cancer Res*. 2009; 69, 836-44.

Choi, EY, Chavakis, E, Czabanka, MA, Langer, HF, Fraemohs, L, Economopoulou, M, Kundu, RK, Orlandi, A, Zheng, YY, Prieto, DA, Ballantyne, CM, Constant, SL, Aird, WC, Papayannopoulou, T, Gahmberg, CG, Udey, MC, Vajkoczy, P, Quertermous, T, Dimmeler, S, Weber, C and Chavakis, T. Del-1, an endogenous leukocyte-endothelial adhesion inhibitor, limits inflammatory cell recruitment. *Science*. 2008; 322, 1101-4.

Vajkoczy, P, Knyazev, P, Kunkel, A, Capelle, HH, Behrndt, S, von Tengg-Kobligk, H, Kiessling, F, Eichelsbacher, U, Essig, M, Read, TA, Erber, R and Ullrich, A. Dominant-negative inhibition of the Axl receptor tyrosine kinase suppresses brain tumor cell growth and invasion and prolongs survival. *Proc Natl Acad Sci U S A*. 2006; 103, 5799-804.

Erber, R, Eichelsbacher, U, Powajbo, V, Korn, T, Djonov, V, Lin, J, Hammes, HP, Grobholz, R, Ullrich, A and Vajkoczy, P. EphB4 controls blood vascular morphogenesis during postnatal angiogenesis. *EMBO J*. 2006; 25, 628-41.

Erber, R, Thurnher, A, Katsen, AD, Groth, G, Kerger, H, Hammes, HP, Menger, MD, Ullrich, A and Vajkoczy, P. Combined inhibition of VEGF and PDGF signaling enforces tumor vessel regression by interfering with pericyte-mediated endothelial cell survival mechanisms. *FASEB J*. 2004; 18, 338-40.

Vajkoczy, P, Blum, S, Lamparter, M, Mailhammer, R, Erber, R, Engelhardt, B, Vestweber, D and Hatzopoulos, AK. Multistep nature of microvascular recruitment of ex vivo-expanded embryonic endothelial progenitor cells during tumor angiogenesis. *J Exp Med*. 2003; 197, 1755-65.