

## **Publications: Becker**

### **Original Papers**

Klingenberg M, Becker J, Eberth S, Kube D, Wilting J: The NADPH oxidase inhibitor imipramine-blue in the treatment of Burkitt lymphoma. *Mol. Cancer Ther.* 13: 833-841 (2014)

Klingenberg M, Becker J, Kube D, Wilting J: The chick chorioallantoic membrane as an in vivo xenograft model for Burkitt lymphoma. *BMC Cancer* 14: 339 (2014)

Buttler K, Becker J, Pukrop T, Wilting J (2013) Maldevelopment of dermal lymphatics in Wnt5a knock out mice. *Dev Biol.* 381: 365-376

Exertier P, Javerzat S, Wang B, Franco M, Herbert J, Platonova N, Winandy M, Pujol N, Nivelles O, Ormenese S, Godard V, Becker J, Bicknell R, Pineau R, Wilting J, Bikfalvi A, Hagedorn M: Impaired angiogenesis and tumor development by inhibition of the mitotic kinesin Eg5. *Oncotarget* 4: 2302-2316 (2013)

Becker J\*, Covelo Fernandez A\*, von Bonin F, Kube D, Wilting J (2012) Specific tumor-stroma interactions of EBV positive Burkitt's lymphoma cells in the chick chorioallantoic membrane. *Vascular Cell* 4:3

Becker J, Fröhlich J, Hansen J, Zelent C, Perske C, Wilting J (2012) The lymphangiogenesis inhibitor sVEGFR-2 in human embryos: Expression in sympatho-adrenal tissue and differentiation-induced up-regulation in neuroblastoma. *Histol. Histopathol.* 27: 721-733

Becker J, Fröhlich J, Perske C, Pavlakovic H, Wilting J (2012) Reelin signaling in neuroblastoma: Migratory switch in metastatic stages. *Intl. J. Oncol.* 41: 681-689

Becker J, Pavlakovic H, Ludewig F, Wilting F, Weich HA, Albuquerque RJ, Ambati J, Wilting J (2010) Neuroblastoma progression correlates with downregulation of the lymphangiogenesis inhibitor sVEGFR-2. *Clin. Cancer. Res.* 16(5): 1431-41

Becker J, Wang B, Pavlakovic H, Buttler K, Wilting J (2010) Homeobox transcription factor Prox1 in sympathetic ganglia of vertebrate embryos: correlation with human stage 4s neuroblastoma. *Ped. Res.* 68(2): 112-117

Pavlakovic H\*, Becker J\*, Albuquerque R, Wilting J, Ambati J (2010) Soluble VEGFR-2: an antilymphangiogenic variant of VEGF receptors. *Ann. N.Y. Acad. Sci.* 1207 S1: E7-E15

Volland S, Kugler W, Schweigerer L, Wilting J, Becker J (2009) Stanniocalcin 2 promotes invasion and is associated with metastatic stages in neuroblastoma. *Int. J. Cancer* 125: 2049-2057

Becker J, Volland S, Noskova I, Schramm A, Schweigerer L, Wilting J (2008) Keratopithelin reverts the suppression of tissue factor pathway inhibitor 2 by MYCN in human neuroblastoma: a mechanism to inhibit invasion. *Int. J. Oncol.* 32: 235-240

Ebenebe CU, Diehl S, Bartnick K, Dörge H, Becker J, Schweigerer L, Wilting J (2007) Three reactive compartments in venous malformations. *Thromb. Hemost.* 97: 763-773

Papoutsi M, Dudas J, Becker J, Tripodi M, Ramadori G, Wilting J (2007) Gene regulation by the homeobox transcription factor Prox1 in murine hepatoblasts. *Cell Tissue Res.* 330(2): 209-220.

Becker J, Erdlenbruch B, Noskova I, Schramm A, Aumailley M, Schorderet DF, Schweigerer L (2006) Keratoepithelin suppresses the progression of experimental human neuroblastomas. *Cancer Res.* 66: 5314-2

Becker J, Nagel S, Tenhaken R (2000) Cloning, expression and characterization of protein elicitors from the soyabean pathogenic fungus *Phytophthora sojae*. *J. Phytopathol.* 148: 161-167

Becker J, Kempf R, Jeblick W, Kauss H (2000) Induction of competence for elicitation of defense responses in cucumber hypocotyls requires proteasome activity. *Plant J.* 21: 311-316

## **Reviews**

Wilting J, Becker J, Buttler K, Weich H (2009) Lymphatics and inflammation. *Curr. Med. Chem.* 16: 4851-4592

Wilting J, Papoutsi M, Buttler K, Becker J (2007) Embryonic development of the lymphovascular system and tumor lymphangiogenesis. *Cancer Treat. Res.* 135:17-24.

Becker J, Ebenebe CU, Diehl S, Bartnick K, Schweigerer L, Wilting J (2007) Deregulated gene expression gives rise to inflammation and arterialization of endothelial cell in congenital venous malformation. *Lymphology* 40 (Suppl.): 215-220

Wilting J, Becker J (2006) Two endothelial cell lines derived from the somite. *Anat. Embryol.* 211 Suppl 7: 57-63

Wilting J, Papoutsi M, Becker J (2004) The lymphatic vascular system: secondary or primary? *Lymphology* 37: 98-106

## **Book Contributions**

Becker J (2012) Pediatric Neuroblastoma: Role of TGFBI (Keratoepithelin) In: *Tumors of the central nervous system* (ed. Hyat E) Springer, Heidelberg, New York

Becker J, Wilting J, Schweigerer L (2006) Tumor Angiogenesis. In „Apoptosis and Cancer Therapy“ Hrsg. Debatin K, Fulda S; Verlag Wiley-VCH, Weinheim, Germany 2006, pp 421-440