

Publications: Buttler

Original papers

Buttler, K., Badar, M., Seiffart, V., Laggies, S., Gross, G., Wilting, J., Weich, H.A.: De novo hem- and lymphangiogenesis by endothelial progenitor and mesenchymal stem cells in immunocompetent mice. *Cell. Mol. Life Sci.* 71: 1513-1527 (2014)

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

Deutsche Fassung: Buttler, K., Pukrop, T., Becker, J., Wilting, J.: Regulation dermalen Lymphgefäße durch das Entwicklungskontrollgen *WNT5A*. *Lymphologie in Forschung und Praxis* 17: 62-69 (2013)

Hemmen, K., Reinl, T., Buttler, K., Behler, F., Dieken, H., Jaensch, L., Wilting, J., Weich, H.A.: High-resolution mass spectrometric analysis of the secretome from mouse lung endothelial progenitor cells. *Angiogenesis* 14: 163-172 (2011)

Schniedermaun, J., Rennecke, M., Richter, G., Städtler, A.M., Buttler, K., Norgall, S., Badar, M., Pawletta, B., May, T., Wilting, J., Weich, H.A.: Mouse lung microvascular endothelial progenitor cells exhibit a high capacity for the formation of blood and lymphatic vessels. *BMC Cell Biol.* 11: 50 (2010)

Deutsche Fassung: Buttler, K., Schniedermaun, J., Weich, H.A., Wilting, J.: Isolierung bipotenter endothelialer Vorläuferzellen aus der Lunge adulter Mäuse. *Lymphologie in Forschung und Praxis* 14: 58-64 (2010)

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

Buttler, K., Kasten, P., Wilting, J. (2009) Molekulare Charakteristika des Lymphangioms beim Säugling. *Lymphologie in Forschung und Praxis* 13: 22-26

Buttler, K., Ezaki, T., Wilting, J. (2008) Proliferating mesodermal cells in murine embryos exhibiting macrophage and lymphendothelial characteristics *BMC Dev. Bio.* 8: 43

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

Kasten, P., Schnöink G., Bergmann A., Papoutsis M., Buttler K., Rössler J, Weich HA., Wilting J. (2007) Similarities and differences of human and experimental mouse lymphangiomas *Dev. Dyn.* 236: 2952-2961

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

Wilting, J., Buttler, K., Schulte, J., Papoutsi, M., Schweigerer, L., Männer, J. (2007) The proepicardium delivers hemangioblasts but not lymphangioblasts to the developing heart. *Dev Biol* 305:451-459.

Buttler K, Kreysing A, von Kaisenberg CS, Schweigerer L, Gale N, Papoutsi M, Wilting J. (2006) Mesenchymal cells with leukocyte and lymphendothelial characteristics in murine embryos. *Dev Dyn* 235:1554-1562.

Reviews

Buttler, K., Wilting, J.: Das Lymphgefäßsystem bei der Entzündung: Ein wenig beachtetes Forschungsgebiet. *Lymphologie in Forschung und Praxis* 15: 2-8 (2011)

Wilting, J., Becker, J., Buttler, K., Weich, H.A.: Lymphatics and inflammation *Curr. Med. Chem.* 16: 4581-4592 (2009)

Book sections

Buttler, K., Wilting, J.: Biomarkers. In: *Lymphedema*. Quality Medical Publishing, Inc., CRC Press, Abingdon, UK (2015, in press)

Buttler, K., Wilting, J.: Charakteristika des Lymphendothels aus Lymphangiomen. In: Schuchhardt, C. ed.; *Lymphologie heute und morgen*, Rabe Verlag, Bonn; 2013, pp 69-83

Wilting, J., Buttler, K., Rössler, R., Norgall, S., Schweigerer, L., Weich, H.A., Papoutsi, M.: Embryonic development and malformation of lymphatic vessels. In: *Novartis Foundation Symposium No. 283 "Vascular Development"*. John Wiley, Chichester, 2007, pp 220-229