

IVI 2017 - 2019

Publications

2017

Eglinger E, Haiko K, Lammert E. 2017. Quantitative assessment of angiogenesis and pericyte coverage in human cell-derived vascular sprouts. **Inflamm Regen.** 37:2.

2018

Lorenz L, Axnick J, Buschmann T, Henning C, Urner S, Fang S, Nurmi H, Eichhorst N, Holtmeier R, Bódis K, Hwang J-H, Müssig K, Eberhard D, Stypmann J, Kuss O, Roden M, Alitalo K, Häussinger D, Lammert E. 2018. Mechanosensing by β 1 integrin induces angiocrine signals for liver growth and survival. **Nature.** 562:128-132.

Stermann T, Menzel F, Weidlich C, Jeruschke K, Weiß J, Altenhofen D, Benninghoff T, Pujol A, Bosch F, Rustenbeck I, Ouwens M, Thoresen GH, de Wendt C, Lebek S, Schallschmidt T, Kragl M, Lammert E, Chadt AS, Al-Hasani H. 2018. Deletion of the RabGAP TBC1D1 leads to enhanced insulin secretion and fatty acid oxidation in islets from male mice. **Endocrinology.** 159:1748-1761.

2019

Carstensen-Kirberg M, Röhrig K, Niersmann C, Ouwens DM, Belgardt BF, Roden M, Herder C. 2019. Sfrp5 increases glucose-stimulated insulin secretion in the rat pancreatic beta cell line INS-1E. **PLoS ONE.** 14:e0213650.

Henning C, Branopolski A, Schuler D, Dimitroulis D, Huelsemann P, Nicolaus C, Sansone R, Ludolf Postma J, Eberhard D, Le Noble F, Kelm M, Lammert E, Heiss C. 2019. Requirement of β 1 integrin for endothelium-dependent vasodilation and collateral formation in hindlimb ischemia. **Sci Rep.** 9:16931.

Urner S, Planas-Paz L, Hilger LS, Henning C, Branopolski A, Kelly-Goss M, Stanczuk L, Pitter B, Montanez E, Peirce SM, Mäkinen T, Lammert E. 2019. Identification of ILK as a critical regulator of VEGFR3 signalling and lymphatic vascular growth. **EMBO J.** 38:e9932.

Reviews

2017

Eberhard D, Lammert E. 2017. The Role of the Antioxidant Protein DJ-1 in Type 2 Diabetes Mellitus. **Adv Exp Med Biol.** 1037:173-186.

Scholz O, Welters A, Lammert E. 2017. Role of NMDA Receptors in Pancreatic Islets. **The Receptors.** 30:121-134

Welters A, Klüppel C, Mrugala J, Wörmeyer L, Meissner T, Mayatepek E, Heiss C, Eberhard D, Lammert E. 2017. 'NMDAR antagonists for the treatment of diabetes mellitus-Current status and future directions. **Diabetes Obes Metab.** 19:95-106.

2018

Belgardt B-F, Jarasch A, Lammert E. 2018. Exploring biological and social networks to better understand and treat diabetes mellitus: Comment on "Network science of biological systems at different scales: A review" by Gosak et al' **Phys Life Rev.** 24:146-148.

Urner S, Kelly-Gloss M, Peirce SM, **Lammert E** 2018. Mechanotransduction in Blood and Lymphatic Vascular Development and Disease. **Adv Pharmacol**, 81:155-208.

2019

Lammert E, Thorn P. 2019. The role of the islet niche on beta cell structure and function. **J Mol Biol**. 432:1407-1418.

Hilger L, **Lammert E**. 2019. Der Einfluss mechanischer Kräfte auf das sich entwickelnde Lymphgefäßsystem. **LymphForsch**. 23:99-103.