

Publikationen 2018 | Institut für Anatomie Leipzig

1. Hesselbarth N, Kunath A, Kern M, **Gericke M**, Mejhert N, Rydén M, Stumvoll M, Blüher M, Klötting N (2018) Repin1 deficiency in adipose tissue improves whole-body insulin sensitivity, and lipid metabolism. *Int J Obes (Lond)*. 41:1815-1823.
2. **Landmann J**, Richter F, Classen J, Richter A, Penninger JM, **Bechmann I** (2018) Behavioral phenotyping of calcium channel (CACN) subunit $\alpha 2\delta 3$ knockout mice: Consequences of sensory cross-modal activation. *Behav Brain Res*. Jan 2.
3. Chiziane E, Telemann H, **Krueger M**, Adler J, Arnhold J, Alia A, Flemmig J (2018) Free Heme and Amyloid- β : A Fatal Liaison in Alzheimer's Disease. *J Alzheimers Dis*. 61(3):963-984.
4. **Puchert M**, **Koch C**, **Engle J** (2018) The 5T4 oncofetal glycoprotein does not act as a general organizer of the CXCL12 system in cancer cells. *Exp Cell Res*. 364(2):175-183.
5. Ajami B, Samusik N, **Wieghofer P**, Ho P, Crotti A, Bjornson Z, Prinz M, Fantl W, Nolan G, Steinman L (2018) Single-cell mass cytometry reveals distinct populations of brain myeloid cells in mouse neuroinflammation and neurodegeneration models. *Nat Neurosci*. 21: 541-551
6. **Fehrenbach MK**, Tjwa M, **Bechmann I**, **Krueger M** (2018) Decreased microglial numbers in Vav1-Cre⁺:dicer knock-out mice suggest a second source of microglia beyond yolk sac macrophages. *Ann Anat*. Apr 25.
7. Korn A, Surendran D, **Krüger M**, Maiti D, Huster D (2018) Ring Structure Modifications of Phenylalanine 19 Increase Fibrillation Kinetics and Reduce Toxicity of Amyloid β (1-40). *Chem. Commun*. Mar 18.
8. Korn A, McLennan S, Adler J, **Krueger M**, Surendran D, Maiti S, Huster D (2018) Amyloid β (1-40) Toxicity Depends on the Molecular Contact between Phenylalanine 19 and Leucine 34. *ACS Chem Neurosci*. 9(4):790-799.
9. Kosacka J, **Nowicki M***, **Paeschke S**, Baum P, Blüher M, Klötting N (2018) Up-regulated autophagy: as a protective factor in adipose tissue of WOKW rats with metabolic syndrome. *Diabetol Metab Syndr*. doi: 10.1186/s13098-018-0317-6. eCollection 2018; *-equally as the first author
10. Haimon Z, Volaski A, Orthgiess J, Boura-Halfon S, Varol D, Shemer A, Yona S, Zuckerman B, David E, Chappell-Maor L, **Bechmann I**, **Gericke M**, Ulitsky I, Jung S

(2018) Re-evaluating microglia expression profiles using RiboTag and cell isolation strategies. *Nat Immunol.* (in press)

11. Hammer N, **Löffler S**, Cakmak YO, Ondruschka B, Planitzer U, Schultz M, Winkler D, Weise D. Cervical vagus nerve morphometry and vascularity in the context of nerve stimulation - A cadaveric study. *Sci Rep.* 8(2018): 7997, DOI:10.1038/s41598-018-26135-8

12. Voet S, Mc Guire C, Hagemeyer N, Martens A, Schroeder A, **Wieghofer P**, Daems C, Staszewski O, Walle LV, Jordao MJC, Sze M, Vikkula HK, Demeestere D, Van Imschoot G, Scott CL, Hoste E, Gonçalves A, Williams M, Lippens S, Libert C, Vandenbroucke RE, Kim KW, Jung S, Callaerts-Vegh Z, Callaerts P, de Wit J, Lamkanfi M, Prinz M, van Loo G (2018) A20 critically controls microglia activation and inhibits inflammasome-dependent neuroinflammation. *Nat Commun.* 9: 2036.

13. **Mages B**, Aleithe S, Altmann S, Blietz A, Nitzsche B, Barthel H, Horn AK, **Hobusch C**, Härtig W, **Krueger M** & Michalski D (2018) Impaired neurofilament integrity and neuronal morphology in different models of focal cerebral ischemia and human stroke tissue. *Front Cell Neurosci.* May 25.

14. Aline Goetze, Sophie von Keyserlingk, Sabine Peschel, Ulrike Jacoby, Corinna Schreiber, Bernd Koehler, Stephan Allgeier, **Karsten Winter**, Martin Roehlig, Anselm Juenemann, Rainer Guthoff, Oliver Stachs, Dagmar-C. Fischer (2018) The corneal subbasal nerve plexus and thickness of the retinal layers in pediatric type 1 diabetes and matched controls. *Scientific Reports* 8:14. doi: 10.1038/s41598-017-18284-z.

15. Andreas Sakkas, Alexander Schramm, **Karsten Winter**, Frank Wilde (2018) Risk factors for post-operative complications after procedures for autologous bone augmentation from different donor sites. *Journal of Cranio-Maxillofacial Surgery* 46(2):312-322. doi: 10.1016/j.jcms.2017.11.016.

16. Anne-Kristin Moritz, Claudia Köhler, Vivian Fromme, **Karsten Winter**, Michaele Alef, Ingmar Kiefer (2018) Komplikationen sonographisch gestützter Leberbiopsien bei Hund und Katze. *Tierärztliche Praxis Kleintiere* 46(1):5-13. doi: 10.15654/TPK-170183.

17. Alexey Surov, Gordian Hamerla, Hans Jonas Meyer, **Karsten Winter**, Stefan Schob, Eckhard Fiedler (2018) Whole lesion histogram analysis of meningiomas derived from ADC values. Correlation with several cellularity parameters, proliferation index KI 67, nucleic content, and membrane permeability. *Magnetic Resonance Imaging* 51:158-162. doi: 10.1016/j.mri.2018.05.009.

18. Alexey Surov, Hans Jonas Meyer, Leonard Leifels, Anne-Kathrin Höhn, Cindy Richter, **Karsten Winter** (2018) Associations between histogram analysis parameters of dynamic contrast-enhanced magnetic resonance imaging and histopathological findings including proliferation potential, cellularity, and nucleic areas in head and neck squamous cell carcinoma. *Oncotarget* 9(30):21070-21077. doi: 10.18632/oncotarget.24920.

19. Alexey Surov, Leonard Leifels, Hans Jonas Mayer, **Karsten Winter**, Osama Sabri, Sandra Purz (2018) Associations Between Histogram Analysis DCE MRI Parameters and Complex 18F-FDG-PET Values in Head and Neck Squamous Cell Carcinoma. *Anticancer Res* 2018; 38(3):1637-1642. doi: 10.21873/anticancer.12395.

20. Adamsky A*, Kol A*, Kreisel T, Doron A, Ozeri-Engelhard N, Melcer T, Refaeli R, **Horn H**, Regev L, Groysman M, London M, Goshen I (2018) Astrocytic activation generates *de novo* neuronal potentiation and memory enhancement. *Cell* 174(1):59-71.

21. **Mages B**, Aleithe S, Altmann S, Blietz A, Nitzsche B, Barthel H, Horn AK, **Hobusch C**, Härtig W, **Krueger M** & Michalski D (2018) Impaired neurofilament integrity and neuronal morphology in different models of focal cerebral ischemia and human stroke tissue. *Front Cell Neurosci.* 12:161. doi:10.3389/fncel.2018.00161
22. Arndt L, Dokas J, **Gericke M**, Kutzner CE, Müller S, Jeromin F, Thierry J, Burkhardt R (2018) Tribbles homolog 1 deficiency modulates function and polarization of murine bone marrow-derived macrophages. *J Biol Chem.* (in press)
23. **Horn H**, **Böhme B**, **Dietrich L**, **Koch M** (2018) Endocannabinoids in Body Weight Control. *Pharmaceuticals* 11(2):E55
24. **Fledrich R**, Abdelaal T, Rasch L, Bansal V, Schütza V, Brügger B, Lüchtenborg C, Prukop T, Stenzel J, Rahman RU, Hermes D, Ewers D, Möbius W, Ruhwedel T, Katona I, Weis J, Klein D, Martini R, Brück W, Müller WC, Bonn S, **Bechmann I**, Nave KA, Stassart RM, Sereda MW (2018) Targeting myelin lipid metabolism as a potential therapeutic strategy in a model of CMT1A neuropathy. *Nat Commun.* 9(1):3025. doi: 10.1038/s41467-018-05420-0.
25. Haimon Z, Volaski A, Orthgiess J, Boura-Halfon S, Varol D, Shemer A, Yona S, Zuckerman B, David E, Chappell-Maor L, **Bechmann I**, **Gericke M**, Ulitsky I, Jung S (2018) Re-evaluating microglia expression profiles using RiboTag and cell isolation strategies. *Nat Immunol.* 19(6):636-644.
26. **Sönnichsen R**, Hennig L, Blaschke V, **Winter K**, **Körfer J**, **Hähnel S**, Monecke A, Wittekind C, Jansen-Winkel B, Thieme R, Gockel I, Grosser K, Weimann A, Kubick C, Wiechmann V, Aigner A, **Bechmann I**, Lordick F, **Kallendrusch S** (2018) Individual Susceptibility Analysis Using Patient-derived Slice Cultures of Colorectal Carcinoma. *Clin Colorectal Cancer.* 17(2):e189-e199. doi: 10.1016/j.clcc.2017.11.002.
27. **Menzel F**, **Kaiser N**, **Haehnel S**, Rapp F, Patties I, Schöneberg N, Haimon Z, **Immig K**, **Bechmann I** (2018) Impact of X-irradiation on microglia. *Glia* 66(1):15-33.
28. **Landmann J**, Richter F, Oros-Peusquens AM, Shah NJ, Classen J, Neely GG, Richter A, Penninger JM, **Bechmann I** (2018) Neuroanatomy of pain-deficiency and cross-modal activation in calcium channel subunit (CACN) $\alpha 2\delta 3$ knockout mice. *Brain Struct Funct.* 223(1):111-130. doi: 10.1007/s00429-017-1473-4.
29. Tebbenkamp ATN, Varela L, Choi J, Paredes MI, Giani AM, Song JE, Sestan-Pesa M, Franjic D, Sousa AMM, Liu ZW, Li M, Bichsel C, **Koch M**, Szigeti-Buck K, Liu F, Li Z, Kawasawa YI, Paspalas CD, Mineur YS, Prontera P, Merla G, Picciotto MR, Arnsten AFT, Horvath TL, Sestan N (2018) The 7q11.23 Protein DNAJC30 Interacts with ATP Synthase and Links Mitochondria to Brain Development. *Cell* (in press)
30. Hoffmann A, Ebert T, Klötting N, Kolb M, **Gericke M**, Jeromin F, Jessnitzer B, Lössner U, Burkhardt R, Stumvoll M, Fasshauer M, Kralisch S (2018) Leptin decreases circulating inflammatory IL-6 and MCP-1 in mice. *Biofactors* (in press)