Curriculum Vitae Stefanie Heidrich

Personal Data

Title	
First name	Stefanie
Name	Heidrich
Current position	Lab Technician

Qualifications and Career

Degree programme	2022, Applied Nutritional Science, CAS, University of Freiburg 2019, Education Science, B.A., Distance-learning University of Hagen 2007, Training and Qualification in Histology and Molecular Biology & Diagnostic, DIW-MTA Berlin, Germany 1994, Medical laboratory assistant MTLA, MLU - University of Halle/ Wittenberg, Germany
Further stages	2011-present, Institute for Anatomy and Cell Biology University of Freiburg 1996-2011 University of Göttingen, Departments of Dermatology & Venereology, Biochemistry, Organic Chemistry, Neuroanatomy)

Scientific Results

Akol I, Izzo A, Gather F, Strack S, **Heidrich S**, Ó hAilín D, Villarreal A, Hacker C, Rauleac T, Bella C, Fischer A, Manke T, Vogel T (2023) Multimodal epigenetic changes and altered NEUROD1 chromatin binding in the mouse hippocampus underlie FOXG1 syndrome. Proc Natl Acad Sci U S A. 120(2):e2122467120. doi: 10.1073/pnas.2122467120.

Franz H, Villarreal A, **Heidrich S**, Videm P, Kilpert F, Mestres I, Calegari F, Backofen R, Manke T, **Vogel T** (2019) DOT1L promotes progenitor proliferation and primes neuronal layer identity in the developing cerebral cortex. Nucleic Acids Res 47(1): 168-183.

Weise SC, Arumugam G, Villarreal A, Videm P, **Heidrich S**, Nebel N, Dumit VI, Sananbenesi F, Reimann V, Craske M, Schilling O, Hess W, Fischer A, Backofen R, Vogel T (2019) FOXG1 regulates PRKAR2B transcriptionally and posttransciptionally via miR200 in the adult hippocampus. Mol Neurobiol (56):5188-5201.

Bovio PP, Franz H, **Heidrich S**, Rauleac T, Kilpert F, Manke T, Vogel T (2019) Differential Methylation of H3K79 Reveals DOT1L Target Genes and Function in the Cerebellum In Vivo. Mol Neuro (56): 4273-4287.

Weise SC, Villarreal A, **Heidrich S**, Dehghanian F, Schachtrup C, Nestel S, Schwarz J, Thedieck K, Vogel T (2018) TGFβ-Signaling and FOXG1-Expression Are a Hallmark of Astrocyte Lineage Diversity in the Murine Ventral and Dorsal Forebrain. Front Cell Neurosci,12.

Bovio P, Roidl D, **Heidrich S**, Vogel T, Franz H (2018) Isolation and Cultivation of Neural Progenitors Followed by Chromatin-Immunoprecipitation of Histone 3 Lysine 79 Dimethylation Mark. J Vis Exp Jan 26;(131).

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Roidl D, Hellbach N, Bovio P, Villarreal A, **Heidrich S**, Nestel S, Grüning B, Bönisch U, Vogel T (2016) DOT1L activity promotes proliferation and protects cortical neural stem cells from activation of ATF4-DDIT3-mediated ER stress in vitro. Stem Cells 34(1):233-45.

Vezzali R, Weise SC, Hellbach N, Machado V, **Heidrich S**, Vogel T (2016) The FOXG1/FOXO/SMAD network balances proliferation and differentiation of cortical progenitors and activates Kcnh3 expression in mature neurons. Oncotarget, 7(25): 37436-37455.

Hellbach N, Weise SC, Vezzali R, Wahane SD, **Heidrich S**, Roidl D, Pruszak J, Esser JS, Vogel T (2014) Neural deletion of Tgfbr2 impairs angiogenesis through an altered secretome. Hum Mol Genet 23(23):6177-90.

Osterberg N, Wiehle M, Oehlke O, **Heidrich S**, Xu C, Fan CM, Krieglstein K, Roussa E (2011) Sim1 is a novel regulator in the differentiation of mouse dorsal raphe serotonergic neurons. PLoS One. 26;6(4):e19239. doi: 10.1371/journal.pone.0019239.

Roussa E, Oehlke O, Rahhal B, Heermann S, **Heidrich S**, Wiehle M, Krieglstein K (2008) Transforming growth factor beta cooperates with persephin for dopaminergic phenotype induction. Stem Cells. 26(7):1683-94. doi: 10.1634/stemcells.2007-0805.

Brandes A, Oehlke O, Schümann A, **Heidrich S**, Thévenod F, Roussa E (2007) Adaptive redistribution of NBCe1-A and NBCe1-B in rat kidney proximal tubule and striated ducts of salivary glands during acid-base disturbances. Am J Physiol Regul Integr Comp Physiol. 293(6):R2400-11. doi: 10.1152/ajpregu.00208.2007.

Jung T, Witzak K, Dieckhoff K, Zachmann K, **Heidrich S**, Aversa G, Neumann C (1999) IFN-gamma is only partially restored by co-stimulation with IL-12, IL-2, IL-15, IL-18 or engagement of CD28. Clin Exp Allergy. 29(2):207-16. doi: 10.1046/j.1365-2222.1999.00482.x.

Jung T, Moessner R, Dieckhoff K, **Heidrich S**, Neumann C (1999) Mechanisms of deficient interferon-gamma production in atopic diseases. Clin Exp Allergy. 29(7):912-9. doi: 10.1046/j.1365-2222.1999.00619.x.