

Curriculum Vitae Thomas Worzfeld

Personal Data

Title	Prof. Dr.
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Selection of peer-reviewed research articles:

1. Zhou L, Pereiro MT, Li Y, *et al*, **Worzfeld T**. Glucocorticoids induce a maladaptive epithelial stress response to aggravate acute kidney injury. *Sci Transl Med*. 2024 Oct 2;16(767):eade5005. doi: 10.1126/scitranslmed.ade5005.
2. Xu R, Höß C, Swiercz JM, *et al*, **Worzfeld T**. A semaphorin-plexin-Rasal1 signaling pathway inhibits gastrin expression and protects against peptic ulcers. *Sci Transl Med*. 2022 Jul 20;14(654):eabf1922. doi: 10.1126/scitranslmed.abf1922.
3. Vogler M, Arkadiusz O, Schulze S, *et al*, **Worzfeld T**. An antagonistic monoclonal anti-Plexin-B1 antibody exerts therapeutic effects in mouse models of postmenopausal osteoporosis and multiple sclerosis. *J Biol Chem*. 2022 Sep;298(9):102265. doi: 10.1016/j.jbc.2022.102265.
4. Jiang C, Javed A, Kaiser L, *et al*, **Worzfeld T**. Mechanochemical control of epidermal stem cell divisions by B-plexins. *Nat Commun*. 2021 Feb 26;12(1):1308. doi: 10.1038/s41467-021-21513-9.
5. **Worzfeld T**, Pogge von Strandmann E, Huber M, *et al*, Müller R. The Unique Molecular and Cellular Microenvironment of Ovarian Cancer. *Front Oncol*. 2017 Feb 22;7:24. doi: 10.3389/fonc.2017.00024.
6. Sun T, Yang L, Kaur H, *et al*, **Worzfeld T**. A reverse signaling pathway downstream of Sema4A controls cell migration via Scrib. *J Cell Biol*. 2017 Jan 2;216(1):199-215. doi: 10.1083/jcb.201602002.
7. Xia J, Swiercz JM, Bañón-Rodríguez I, *et al*, **Worzfeld T**. Semaphorin-Plexin Signaling Controls Mitotic Spindle Orientation during Epithelial Morphogenesis and Repair. *Dev Cell*. 2015 May 4;33(3):299-313. doi: 10.1016/j.devcel.2015.02.001.
8. **Worzfeld T**, Offermanns S. Semaphorins and Plexins as Therapeutic Targets. *Nat Rev Drug Discov*. 2014 Aug;13(8):603-21. doi: 10.1038/nrd4337.
9. **Worzfeld T**, Swiercz JM, Sentürk A, *et al*, Offermanns S. Genetic dissection of plexin signaling in vivo. *Proc Natl Acad Sci U S A*. 2014 Feb 11;111(6):2194-9. doi: 10.1073/pnas.1308418111.
10. **Worzfeld T**, Swiercz JM, Looso M, *et al*, Offermanns S. ErbB-2 signals through Plexin-B1 to promote breast cancer metastasis. *J Clin Invest*. 2012 Apr;122(4):1296-305. doi: 10.1172/JCI60568.