

Curriculum Vitae Thomas Schmitt

Personal Data

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Selection of peer-reviewed research articles:

1. Müller GA, Stangner K, **Schmitt T**, Wintsche A, Engeland K. Timing of transcription during the cell cycle: Protein complexes binding to E2F, E2F/CLE, CDE/CHR, or CHR promoter elements define early and late cell cycle gene expression. *Oncotarget*. 2016 Jul 28;8(58):97736-97748. doi: 10.18632/oncotarget.10888.
2. **Schmitt T**, Lange S, Dobner B, *et int*, Neubert RHH. Investigation of a CER[NP]- and [AP]-Based Stratum Corneum Modeling Membrane System: Using Specifically Deuterated CER Together with a Neutron Diffraction Approach. *Langmuir*. 2018 Jan 30;34(4):1742-1749. doi: 10.1021/acs.langmuir.7b01848.
3. **Schmitt T**, Lange S, Sonnenberger S, *et int*, Bouwstra JA. Determination of the influence of C24 D/(2R)- and L/(2S)-isomers of the CER[AP] on the lamellar structure of stratum corneum model systems using neutron diffraction. *Chem Phys Lipids*. 2017 Dec;209:29-36. doi: 10.1016/j.chemphyslip.2017.11.001.
4. **Schmitt T**, Gupta R, Lange S, *et int*, Neubert RHH. Impact of the ceramide subspecies on the nanostructure of stratum corneum lipids using neutron scattering and molecular dynamics simulations. Part I: impact of CER[NS]. *Chem Phys Lipids*. 2018 Aug;214:58-68. doi: 10.1016/j.chemphyslip.2018.05.006.
5. **Schmitt T**, Lange S, Sonnenberger S, *et int*, Neubert RHH. The long periodicity phase (LPP) controversy part I: The influence of a natural-like ratio of the CER[EOS] analogue [EOS]-br in a CER[NP]/[AP] based stratum corneum modelling system: A neutron diffraction study. *Biochim Biophys Acta Biomembr*. 2019 Jan;1861(1):306-315. doi: 10.1016/j.bbamem.2018.06.008.
6. **Schmitt T**, Egu DT, Walter E, *et int*, Waschke J. Ca²⁺ signalling is critical for autoantibody-induced blistering of human epidermis in pemphigus. *Br J Dermatol*. 2021 Sep;185(3):595-604. doi: 10.1111/bjd.20091.
7. Hudemann C, Maglie R, Llamazares-Prada M, *et int*, **Schmitt T**, *et int*, Eming R. Human Desmocollin 3-Specific IgG Antibodies Are Pathogenic in a Humanized HLA Class II Transgenic Mouse Model of Pemphigus. *J Invest Dermatol*. 2022 Mar;142(3 Pt B):915-923.e3. doi: 10.1016/j.jid.2021.06.017.
8. Egu DT, **Schmitt T**, Sigmund AM, Waschke J. Electron microscopy reveals that phospholipase C and Ca²⁺ signaling regulate keratin filament uncoupling from desmosomes in Pemphigus. *Ann Anat*. 2022 Apr;241:151904. doi: 10.1016/j.aanat.2022.151904.
9. **Schmitt T**, Pircher J, Steinert L, *et int*, Waschke J. Dsg1 and Dsg3 Composition of Desmosomes Across Human Epidermis and Alterations in Pemphigus Vulgaris Patient Skin. *Front Immunol*. 2022 May 25;13:884241. doi: 10.3389/fimmu.2022.884241.
10. **Schmitt T**, Hudemann C, Moztarzadeh S, *et int*, Waschke J. Dsg3 epitope-specific signalling in pemphigus. *Front Immunol*. 2023 Apr 18;14:1163066. doi: 10.3389/fimmu.2023.1163066.