

Dr. Bianca Hoffmann

Alumni

Publications

Kaden T^{*}, Alonso-Roman R^{*}, Akbarimoghaddam P^{*}, Mosig AS, Graf K, Raasch M, Hoffmann B, Figge MT[#], Hube B[#], Gresnigt MS[#] (2024) Modeling of intravenous caspofungin administration using an intestine-on-chip reveals altered *Candida albicans* microcolonies and pathogenicity. *Biomaterials* 307, 122525.

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Battista M, Hoffmann B, Bachelot Y, Zimmermann L, Teuber L, Jost A, Linde S, Westermann M, Müller MM, Slevogt H, Hammerschmidt S, Figge MT, Vilhena C^{*#}, Zipfel PF^{*#} (2023) The role of pneumococcal extracellular vesicles on the pathophysiology of the kidney disease hemolytic uremic syndrome. *mSphere* 8(4), e0014223.

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Hoffmann B^{*}, Gerst R^{*}, Cseresnyés Z, Foo W, Sommerfeld O, Press AT, Bauer M, Figge MT (2022) Spatial quantification of clinical biomarker pharmacokinetics through deep learning-based segmentation and signal-oriented analysis of MSOT data. *Photoacoustics* 26, 100361.

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Press AT, Babic P, Hoffmann B, Müller T, Foo W, Hauswald W, Benecke J, Beretta M, Cseresnyés Z, Hoepfener S, Nischang I, Coldewey SM, Gräler MH, Bauer R, Gonnert F, Gaßler N, Wetzker R, Figge MT, Schubert US, Bauer M (2021) Targeted delivery of a phosphoinositide 3-kinase γ inhibitor to restore organ function in sepsis. *EMBO Mol Med* 13(10), e14436.

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Böttcher B, Hoffmann B, Garbe E, Weise T, Cseresnyés Z, Brandt P, Dietrich S, Driesch D, Figge MT, Vylkova S (2020) The transcription factor Stp2 is important for *Candida albicans* biofilm

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Hermenau R, Ishida K, Gama S, Hoffmann B, Pfeifer-Leeg M, Plass W, Mohr JF, Wichard T, Saluz HP, Hertweck C (2018) Gramibactin is a bacterial siderophore with a diazeniumdiolate ligand system. *Nat Chem Biol* 14(9), 841-843.

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Svensson C-M*, Hoffmann B*, Irmeler I, Straßburger M, Figge MT**, Saluz HP** ; * authors contributed equally; ** corresponding authors, authors contributed equally (2017) Quantification of arthritic bone degradation by analysis of 3D micro-computed tomography data. *Sci Rep* 7, 44434.

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Irmeler IM, Gebhardt P, Hoffmann B, Opfermann T, Figge MT, Saluz HP, Kamradt T (2014) 18 F-Fluoride positron emission tomography/computed tomography for noninvasive in vivo quantification of pathophysiological bone metabolism in experimental murine arthritis. *Arthritis Res Ther* 16(4), R155.

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Vlaic S, Hoffmann B, Kupfer P, Weber M, Dräger A (2013) GRN2SBML: automated encoding and annotation of inferred gene regulatory networks complying with SBML. *Bioinformatics* 29(17), 2216-2217.

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