

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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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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Hoffmann B^{*}, Svensson C-M^{*}, Straßburger M, Gebser B, Irmler IM, Kamradt T, Saluz HP, Figge MT, ^{*}authors contributed equally (2017) Automated quantification of early bone alterations and pathological bone turnover in experimental arthritis by *in vivo* PET/CT imaging. *Sci Rep* 7, 2217.

Svensson C-M^{*}, Hoffmann B^{*}, Irmler 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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