

# Publications

Gerst R, Cseresnyés Z, Figge MT<sup>#</sup> (2025) Intuitive Abläufe für die automatisierte Bildanalyse. JIPipe als quelloffene Softwarelösung für FAIRe Bildanalyse. Online-Publikation bei Wiley Analytical Science

Graf M<sup>\*</sup>, Sarkar A<sup>\*</sup>, Svensson CM, Munser AS, Schröder S, Hengoju S, Rosenbaum MA<sup>#</sup>, Figge MT<sup>#</sup> (2025) Rapid detection of microbial antibiotic susceptibility via deep learning supported analysis of angle-resolved scattered-light images of picoliter droplet cultivations. *Sens Actuators B Chem* 424, 136866.

Jia LJ<sup>#</sup>, Bernal FA, Soehnlein J, Sonnberger J, Heineking I, Rafiq M, Cseresnyes Z, Kage F, Schmidt F, Zaher R, Hortschansky P, Chaudhary S, Gong X, Schirawski J, Figge MT, Hube B, Brakhage AA<sup>#</sup> (2025) Convergent evolution of a fungal effector enabling phagosome membrane penetration. *bioRxiv* [Preprint]

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Lossius-Cott C, Annoh A, Bens M, Nietzsche S, Hoffmann B, Figge MT, Rauner M, Hofbauer LC, Müller JP<sup>#</sup> (2025) Oncogenic FLT3 internal tandem duplications (ITD) and CD45/PTPRC control osteoclast functions and bone microarchitecture. *JBMR Plus* 9(3), ziae173.

Praetorius JP<sup>\*</sup>, Hitzler SUJ<sup>\*</sup>, Gresnigt MS<sup>#</sup>, Figge MT<sup>#</sup> (2025) Image-based quantification of *Candida albicans* filamentation and hyphal length using the open-source visual programming language JIPipe. *FEMS Yeast Res* [Accepted]

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Alonso-Roman R, Mosig AS, Figge MT, Papenfort K, Eggeling C, Schacher FH, Hube B<sup>#</sup>, Gresnigt MS (2024) Organ-on-chip models for infectious disease research. *Nat Microbiol* 9(4), 891-904. (Review)

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