

Publications

Ruhland E, Siemers M^{*}, Gerst R^{*}, Späth F, Vogt LN, Figge MT, Papenfort K, Fröhlich KS[#] (2024) The global RNA–RNA interactome of *Klebsiella pneumoniae* unveils a small RNA regulator of cell division. *Proc Natl Acad Sci U S A* 121(9), e2317322121.

Behrendt F^{*}, Cseresnyés Z^{*}, Gerst R, Gottschaldt M, Figge MT[#], Schubert US[#] (2023) Evaluation of reproducible cryogel preparation based on automated image analysis using deep learning. *J Biomed Mater Res A* 111(11), 1734-1749.

Gerst R^{*}, Cseresnyés Z^{*}, Figge MT[#] (2023) JIPipe: Visual batch processing for ImageJ. *Nat Methods* 20(2), 168-169.

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.

Richter I, Radosa S, Cseresnyés Z, Ferling I, Büttner H, Niehs SP, Gerst R, Figge MT, Hillmann F, Hertweck C (2022) Toxin-producing endosymbionts shield pathogenic fungus against micropredators. *mBio* 13(5), e0144022.

Büttner H^{*}, Niehs SP^{*}, Vandelannoote K, Cseresnyés Z, Dose B, Richter I, Gerst R, Figge MT, Stinear TP, Pidot SJ, Hertweck C[#] (2021) Bacterial endosymbionts protect beneficial soil fungus from nematode attack. *Proc Natl Acad Sci U S A* 118(37), e2110669118.

Gerst R, Medyukhina A, Figge MT (2020) MISA++: A standardized interface for automated bioimage analysis. *SoftwareX* 11, 100405.

^{*}equal contribution [#]corresponding author