



Ruman Gerst

Projects

Former Projects

From single-cell to whole-organ monitoring: Morphokinetic characterisation of infection via quantitative image analysis

[Details](#)

Publications

Gerst R, Cseresnyés Z, Figge MT (2023) JIPipe: visual batch processing for ImageJ. *Nat Methods* [Epub ahead of print] [Details](#) [PubMed](#)

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. [Details](#) [PubMed](#)

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), [Details](#) [PubMed](#)

