

# Publikationen des LSC InfectoOptics

## 2022

Belyaev I\*, Marolda A\*, Praetorius JP, Sarkar A, Medyukhina A, Hünninger K, Kurzai O, Figge MT \*authors contributed equally (2022) Automated characterisation of neutrophil activation phenotypes in *ex vivo* human *Candida* blood infections. *Comput Struct Biotechnol J* 20, 2297-2308. [open access](#)

Geesink P, Taubert M, Jehmlich N, von Bergen M, Küsel K (2022) Bacterial Necromass Is Rapidly Metabolized by Heterotrophic Bacteria and Supports Multiple Trophic Levels of the Groundwater Microbiome. *Microbiol Spectr*. [Preprint] [open access](#)

Gerst R\*, Cseresnyés Z\*, Figge MT \*authors contributed equally (2022) JIPipe: Visual batch processing for ImageJ. *ResSquare*. [Preprint] [Review open access](#)

Hengoju S, Shvydkiv O, Tovar M, Roth M, Rosenbaum MA (2022) Advantages of optical fibers for facile and enhanced detection in droplet microfluidics. *Biosens and Bioel* 200, 113910.

Hoang TNM\*, Cseresnyés Z\*, Hartung S\*, Blickensdorf M, Saffer C, Rennert K, Mosig AS, von Lilienfeld-Toal M, Figge MT \*authors contributed equally (2022) Invasive aspergillosis-on-chip: A quantitative treatment study of human *Aspergillus fumigatus* infection. *Biomaterials* 283, 121420. [open access](#)

Hoffmann B\*, Gerst R\*, Cseresnyés Z, Fooc W, Sommerfeld O, Press AT, Bauer M, Figge MT \*authors contributed equally (2022) Spatial quantification of clinical biomarker pharmacokinetics through deep learning-based segmentation and signal-oriented analysis of MSOT data. *Photoacoustics* 26, 100361. [open access](#)

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