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Projects

Former Projects

Automated analysis of dynamic properties in biological systems from image data

[Details](#)

Publications

Brandes S, Dietrich S, Hünninger K, Kurzai O, Figge MT (2017) Migration and interaction tracking for quantitative analysis of phagocyte-pathogen confrontation assays. *Med Image Anal* 36, 172. [Details](#) [PubMed](#)

Brandes S, Mokhtari Z, Essig F, Hünninger K, Kurzai O, Figge MT (2015) Automated segmentation and tracking of non-rigid objects in time-lapse microscopy videos of polymorphonuclear neutrophils. *Med Image Anal* 20(1), 34-51. [Details](#) [PubMed](#)

Duggan S, Essig F, Hünninger K, Mokhtari Z, Bauer L, Lehnert T, Brandes S, Häder A, Jacobsen ID, Martin R, Figge MT, Kurzai O (2015) Neutrophil activation by *Candida glabrata* but not *Candida albicans*

promotes fungal uptake by monocytes. *Cell Microbiol* 17(9), 1259-1276. [Details PubMed](#)

Zang E, Brandes S, Tovar M, Martin K, Mech F, Horbert P, Henkel T, Figge MT, Roth M (2013) Real-time image processing for label-free enrichment of Actinobacteria cultivated in picolitre droplets. *Lab Chip* 13(18), 3707-3713. [Details PubMed](#)