

Publications

Blickensdorf M, Timme S, Figge MT (2020) Hybrid agent-based modeling of *Aspergillus fumigatus* infection to quantitatively investigate the role of Pores of Kohn in human alveoli. *Front Microbiol* 11, 1951.

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Böttcher B, Hoffmann B, Garbe E, Weise T, Cseresnyés Z, Brandt P, Dietrich S, Driesch D, Figge MT, Vylkova S (2020) The transcription factor Stp2 is important for *Candida albicans* biofilm establishment and sustainability. *Front Microbiol* 11, 794.

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Cezanne A, Lauer J, Solomatina A, Sbalzarini IF, Zerial M[#] (2020) A non-linear system patterns Rab5 GTPase on the membrane. *eLife* 9, e54434.

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Cseresnyes Z^{*}, Hassan MIA^{*}, Dahse HM, Voigt K, Figge MT; ^{*} shared first authors (2020)
Quantitative impact of cell membrane fluorescence labeling on phagocytosis measurements in confrontation assays. *Front Microbiol* 11, 1193.

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Deinhardt-Emmer S, Rennert K, Schicke E, Cseresnyés Z, Windolph M, Nietzsche S, Heller R, Siwczak F, Haupt KF, Carlstedt S, Schacke M, Figge MT, Ehrhardt C, Löffler B, Mosig AS (2020)
Co-infection with *Staphylococcus aureus* after primary influenza virus infection leads to damage of the endothelium in a human alveolus-on-a-chip model. *Biofabrication* 12(2), 025012.

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Drost N^{*}, Houtman J^{*}, Cseresnyés Z, Niesner R, Rinnenthal JL, Miller KR, Prokop S^{**}, Heppner FL^{**}; ^{*} authors contributed equally; corresponding authors; ^{**} authors contributed equally (2020)
The Amyloid-beta rich CNS environment alters myeloid cell functionality independent of their origin. *Sci Rep* 10(1), 7152.

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

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Hassan MIA, Kruse JM, Krüger T, Dahse HM, Cseresnyés Z, Blango MG, Slevogt H, Hörhold F, Ast V, König R, Figge MT, Kniemeyer O, Brakhage AA, Voigt K (2020) Functional surface proteomic profiling reveals the host heat-shock protein A8 as a mediator of *Lichtheimia corymbifera* recognition by murine alveolar macrophages. *Environ Microbiol* 22(9), 3722-3740.

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Page 1 of 2

- 1
- [2](#)
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