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Projects

Former Projects

Virtual infection model for *Aspergillus fumigatus* in human alveoli

[Details](#)

Publications

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

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

Medyukhina A, Blickensdorf M, Cseresnyés Z, Ruef N, Stein JV, Figge MT (2020) Dynamic spherical harmonics approach for shape classification of migrating cells *Sci Rep* 10, 6072. [Details](#) [Open Access](#)

Medyukhina A, Blickensdorf M, Cseresnyés Z, Ruef N, Stein JV, Figge MT (2020) Dynamic spherical harmonics approach for shape classification of migrating cells. *Sci Rep* 10(1), 6072. [Details](#) [PubMed](#)

Blickensdorf M, Timme S, Figge MT (2019) Comparative Assessment of Aspergillosis by Virtual Infection Modeling in Murine and Human Lung. *Front Immunol* 10, 142. [Details](#) [PubMed](#)