

Dr. Anna Medyukhina

Alumni

Publications

Press AT^{#*}, Ungelenk L^{*}, Medyukhina A, Pennington SA, Nietzsche S, Kan C, Lupp A, Dahmen U, Wang R, Settmacher U, Wetzker R, Figge MT, Clemens MG, Bauer M (2023) Sodium thiosulfate refuels the hepatic antioxidant pool reducing ischemia-reperfusion-induced liver injury. *Free Radic Biol Med* 204, 151-160.

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Belyaev I^{*}, Marolda A^{*}, Praetorius JP, Sarkar A, Medyukhina A, Hünninger K, Kurzai O, Figge MT (2022) Automated characterisation of neutrophil activation phenotypes in *ex vivo* human *Candida* blood infections. *Comput Struct Biotechnol J* 20, 2297-2308.

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Belyaev I^{*}, Praetorius JP^{*}, Medyukhina A, Figge MT (2021) Enhanced segmentation of label-free cells for automated migration and interaction tracking. *Cytometry A* 99(12), 1218-1229.

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Sommerfeld O, Medyukhina A, Neugebauer S, Ghait M, Ulferts S, Lupp A, König R, Wetzker R, Schulz S, Figge MT, Bauer M, Press AT (2021) Targeting complement C5a receptor 1 for the treatment of immunosuppression in sepsis. *Mol Ther* 29(1), 338-346.

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Medyukhina A^{*}, Blickensdorf M^{*}, Cseresnyés Z, Ruef N, Stein JV, Figge MT; ^{*} authors contributed equally (2020) Dynamic spherical harmonics approach for shape classification of migrating cells. *Sci Rep* 10(1), 6072.

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Kniemeyer O, von Lilienfeld-Toal M, Zipfel PF, Ligeti E, Figge MT, Brakhage AA (2020) Human neutrophils produce antifungal extracellular vesicles against *Aspergillus fumigatus*. *mBio* 11(2), e00596-20.

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Al-Zaben N*, Medyukhina A*, Dietrich S, Marolda A, Hünninger K, Kurzai O, Figge MT; * authors contributed equally (2019) Automated tracking of label-free cells with enhanced recognition of whole tracks. *Sci Rep* 9(1), 3317.

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Maurer M, Gresnigt MS, Last A, Wollny T, Berlinghof F, Pospich R, Cseresnyes Z, Medyukhina A, Graf K, Gröger M, Raasch M, Siwczak F, Nietzsche S, Jacobsen ID, Figge MT, Hube B, Huber O, Mosig AS (2019) A three-dimensional immunocompetent intestine-on-chip model as *in vitro* platform for functional and microbial interaction studies. *Biomaterials* 220, 119396.

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