

# Publications

Kelani AA, Bruch A, Riviuccio F, Visser C, Krüger T, Weaver D, Pan X, Schaeuble S, Panagiotou G, Kniemeyer O, Bromley MJ, Bowyer P, Barber AE, Brakhage AA, Blango MG (2023) Disruption of the *A. fumigatus* RNA interference machinery alters the conidial transcriptome. *RNA* [Epub ahead of print]

Schwarz C, Eschenhagen P, Schmidt H, Hohnstein T, Iwert C, Grehn C, Roehmel J, Steinke E, Stahl M, Lozza L, Tikhonova E, Rosati E, Stervbo U, Babel N, Mainz JG, Wisplinghoff H, Ebel F, Jia LJ, Blango MG, Hortschansky P, Brunke S, Hube B, Brakhage AA, Kniemeyer O, Scheffold A, Bacher P (2023) Antigen specificity and cross-reactivity drive functionally diverse anti-*Aspergillus fumigatus* T cell responses in cystic fibrosis. *J Clin Invest* , e161593.

Fleming BA<sup>\*</sup>, Blango MG<sup>\*</sup>, Rousek AA<sup>\*</sup>, Kincannon WM, Tran A, Lewis AJ, Russell CW, Zhou Q, Baird LM, Barber AE, Brannon JR, Beebout CJ, Bandarian V, Hadjifrangiskou M, Howard MT, Mulvey MA (2022) A tRNA modifying enzyme as a tunable regulatory nexus for bacterial stress responses and virulence. *Nucleic Acids Res* 50(13), 7570-7590.

Halder LD, Babych S, Palme DI, Mansouri-Ghahnavieh E, Ivanov L, Ashonibare V, Langenhorst D, Prusty B, Rambach G, Wich M, Trinks N, Blango MG, Kornitzer D, Terpitz U, Speth C, Jungnickel B, Beyersdorf N, Zipfel PF, Brakhage AA, Skerka C (2022) *Candida albicans* induces cross-kingdom miRNA trafficking in human monocytes to promote fungal growth. *mBio* 13(1), e0356321.

Rafiq M, Riviuccio F, Zimmermann AK, Visser C, Bruch A, Krüger T, González Rojas K, Kniemeyer O, Blango MG, Brakhage AA (2022) PLB-985 neutrophil-like cells as a model to study *Aspergillus fumigatus* pathogenesis. *mSphere* 7(1), e0094021.

Brakhage AA, Zimmermann AK, Riviuccio F, Visser C, Blango MG (2021) Host-derived extracellular vesicles for antimicrobial defense. *microLife* 2, uqab003. (Review)

Bruch A<sup>\*</sup>, Kelani AA<sup>\*</sup>, Blango MG<sup>#</sup> (2021) RNA-based therapeutics to treat human fungal infections. *Trends Microbiol* 30(5), 411-420. (Review)

Blango MG, Pschibul A, Riviuccio F, Krüger T, Rafiq M, Jia L, Zheng T, Goldmann M, Voltersen V, Li J, Panagiotou G, Kniemeyer O, Brakhage AA (2020) Dynamic surface proteomes of allergenic fungal conidia. *J Proteome Res* 19(5), 2092-2104.

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.

Jia LJ, Krüger T, Blango MG, Eggeling Fv, Kniemeyer O, Brakhage AA (2020) Biotinylated surfome profiling identifies potential biomarkers for diagnosis and therapy of *Aspergillus fumigatus* infection. *mSphere* 5(4), e00535-20.

Shopova IA, Belyaev I, Dasari P, Jahreis S, Stroe MC, Cseresnyés Z, Zimmermann AK, Medyukhina A, Svensson C-M, Krüger T, Szeifert V, Nietzsche S, Conrad T, Blango MG, 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.

Bacher P, Hohnstein T, Beerbaum E, Röcker M, Blango MG, Kaufmann S, Röhmel J, Eschenhagen P, Grehn C, Seidel K, Rickerts V, Lozza L, Stervbo U, Nienen M, Babel N, Milleck J, Assenmacher M, Cornely OA, Ziegler M, Wisplinghoff H, Heine G, Worm M, Siegmund B, Maul J, Creutz P, Tabeling C, Ruwwe-Glösenkamp C, Sander LE, Knosalla C, Brunke S, Hube B, Kniemeyer O, Brakhage AA, Schwarz C, Scheffold A (2019) Human anti-fungal Th17 immunity and pathology rely on cross-reactivity against *Candida albicans*. *Cell* 176(6), 1340-1355.

Blango MG, Kniemeyer O, Brakhage AA (2019) Conidial surface proteins at the interface of fungal infections. *PLOS Pathog* 15(9), e1007939. (Review)

Voltersen V, Blango MG, Herrmann S, Schmidt F, Heinekamp T, Strassburger M, Krüger T, Bacher P, Lothar J, Weiss E, Hünninger K, Liu H, Hortschansky P, Scheffold A, Loeffler J, Krappmann S, Nietzsche S, Kurzai O, Einsele H, Kniemeyer O, Filler S, Reichard U, Brakhage AA (2018) Proteome analysis reveals the conidial surface protein CcpA essential for virulence of the pathogenic fungus *Aspergillus fumigatus*. *mBio* 9(5), e01557-18.

Zukovskaja O, Kloss S, Blango MG, Ryabchykov O, Kniemeyer O, Brakhage AA, Bocklitz TW, Cialla-May D, Weber K, Popp J (2018) UV-Raman spectroscopic identification of fungal spores important for respiratory diseases. *Anal Chem* 90(15), 8912-8918.

Erman A, Hergouth VK, Blango MG, Kos MK, Mulvey MA, Veranic P (2017) Repeated treatments with chitosan in combination with antibiotics completely eradicate uropathogenic *Escherichia coli* from infected mouse urinary bladders. *J Infect Dis* 216(3), 375-381.

Blango MG, Bass BL (2016) Identification of the long, edited dsRNAome of LPS-stimulated immune cells. *Genome Res* 26(6), 852-862.

Blango MG, Ott EM, Erman A, Veranic P, Mulvey MA (2014) Forced resurgence and targeting of intracellular uropathogenic *Escherichia coli* reservoirs. *PLOS One* 9(3), e93327.

Erman A, Lakota K, Mrak-Poljsak K, Blango MG, Krizan-Hergouth V, Mulvey MA, Sodin-Semrl S, Veranic P (2012) Uropathogenic *Escherichia coli* induces serum amyloid a in mice following urinary tract and systemic inoculation. *PLOS One* 7(3), e32933.

Blango MG, Mulvey MA (2010) Persistence of uropathogenic *Escherichia coli* in the face of multiple antibiotics. *Antimicrob Agents Chemother* 54(5), 1855-1863.

Blango MG, Mulvey MA (2009) Bacterial landlines: contact-dependent signaling in bacterial populations. *Curr Opin Microbiol* 12(2), 177-181.

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