

# Publications

Bierhoff H<sup>\*</sup>, Barber AE<sup>\*</sup>, Blango MG<sup>\*</sup> (2024) RNA: DNA triplexes: a mechanism for epigenetic communication between hosts and microbes? *mBio* 15(10), e0198224. (Review)

Blango MG (2024) RNA-Biologie von Pilzinfektionen. *BIOspektrum* 06, 718. (Review)

Bruch A<sup>\*</sup>, Blango MG<sup>\*</sup> (2024) RNA as a mediator of host-fungal pathogenesis. In: Brakhage AA, Kniemeyer O, Zipfel PF (eds.) *The Mycota - Human and Animal Relationships* 3. 6, pp. 93-119. Springer, Cham. ISBN: 978-3-031-64852. (Review)

Bruch A<sup>\*</sup>, Lazarova V<sup>\*</sup>, Berg M, Krueger T, Schaeuble S, Kelani AA, Mertens B, Lehenberger P, Kniemeyer O, Kaiser S, Panagiotou G, Gsaller F, Blango MG (2024) tRNA hypomodification facilitates 5-fluorocytosine resistance via cross-pathway control system activation in *Aspergillus fumigatus* *Nucleic Acids Res*, 1-20.

Kelani AA, Pan X, Blango MG (2024) Elucidation of the *Aspergillus fumigatus* tRNA-derived RNA repertoire from conidia and mycelium. *bioRxiv* [Preprint]

Müller R, König A, Groth S, Zarnowski R, Visser C, Handrianz T, Maufrais C, Krüger T, Himmel M, Lee S, Priest EL, Yildirim D, Richardson JP, Blango MG, Bougnoux ME, Kniemeyer O, d'Enfert C, Brakhage AA, Andes DR, Trümper V, Nehls C, Kasper L, Mogavero S, Gutschmann T, Naglik JR, Allert S, Hube B (2024) Secretion of the fungal toxin candidalysin is dependent on conserved precursor peptide sequences. *Nat Microbiol* 9(3), 669-683.

Ørom UAV<sup>\*</sup>, Tapinos N<sup>\*</sup>, Blango MG<sup>\*</sup>, Strasburger J<sup>\*</sup>, Adams M<sup>\*</sup> (2024) The impact of RNA modifications on cellular function via alterations to structure and macromolecular interactions. Appendix to "National Academies of Sciences, Engineering, and Medicine. 2024. Charting a Future for Sequencing RNA and Its Modifications: A New Era for Biology and Medicine. Washington, DC: The National Academies Press." (Review)

Pan X<sup>\*</sup>, Bruch A<sup>\*</sup>, Blango MG (2024) The past, present, and future of RNA modifications in infectious disease research. *ACS Infect Dis*, (Review)

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Micheel J, Aron F, Kelani AA, Girbardt C, Blango MG, Walther G, Wollny D (2023) RNA-based sensitive fungal pathogen detection. *bioRxiv* [Preprint]

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* 133(5), e161593.

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