

Publications

Abou-Kandil A*, Tröger-Görler S*, Pschibul A*, Krüger T, Rosin M, Schmidt F, Akbarimoghaddam P, Sarkar A, Cseresnyés Z, Shadkchan Y, Heinekamp T, Gräler MH, Barber AE, Walther G, Figge MT, Brakhage AA, Osharov N#, Kniemeyer O# (2024) The proteomic response of *Aspergillus fumigatus* to Amphotericin B (AmB) reveals the involvement of the RTA-like protein RtaA in AmB resistance. *microLife* 6, uqae024.

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

Mirhakkak MH*, Chen X*, Heinekamp T, Sae-Ong T, Xu LL, Ni Y, Kurzai O, Barber AE, Brakhage AA, Boutin S, Schäuble S#, Panagiotou G# (2023) Genome-scale Metabolic modeling of *Aspergillus fumigatus* strains reveals growth dependencies on the lung microbiome. *Nat Commun* 14(1), 4369.

Fleming BA*, Blango MG*, Rousek AA*, 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.

Barber AE*, Sae-Ong T*, Kang K, Seelbinder S, Li J, Walther G, Panagiotou G# & Kurzai O# (2021) *Aspergillus fumigatus* pan-genome analysis identifies genetic variants associated with human infection. *Nat Microbiol* 6(12), 1526-1536.

Barber AE, Riedel J, Sae-Ong T, Kang K, Brabetz W, Panagiotou G, Deising HB, Kurzai O (2020) Effects of agricultural fungicide use on *Aspergillus fumigatus* abundance, antifungal susceptibility, and population structure. *mBio* 11(6), e02213-20.

Barber AE, Scheufen S, Walther G, Kurzai O, Schmidt V (2020) Low rate of azole resistance in cases of avian aspergillosis in Germany. *Med Mycol* 58(8), 1187-1190.

Barber AE*, Weber M, Kaerger K, Linde J, Gölz H, Duerschmied D, Markert A, Guthke R, Walther G, Kurzai O (2019) Comparative genomics of serial *Candida glabrata* isolates and the rapid acquisition of echinocandin resistance during therapy. *Antimicrob Agents Chemother* 63(2), e01628-18.

Hamprecht A, Barber AE, Mellinghoff SC, Thelen P, Walther G, Yu Y, Neurgaonkar P, Dandekar T, Cornely OA, Martin R, Kurzai O (2019) *Candida auris* in Germany and previous exposure to foreign healthcare. *Emerg Infect Dis* 25(9), 1763-1765.

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