

Dr. Amelia Barber

Alumni

Publications

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.

[Details](#)



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.

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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.

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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.

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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.

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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.

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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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