

Dr. Hella Schmidt

Alumni

Publications

Balkenhol J, Bencurova E, Gupta SK, Schmidt H, Heinekamp T, Brakhage AA, Pottikkadavath A, Dandekar T (2022) Prediction and validation of host-pathogen interactions by a versatile inference approach using *Aspergillus fumigatus* as a case study. *Comput Struct Biotechnol J* 20, 4225-4237.

[Details](#)



Schmidt F, Thywißen A, Goldmann M, Cunha C, Cseresnyés Z, Schmidt H, Rafiq M, Galiani S, Gräler MH, Chamilos G, Lacerda JF, Campos Jr A, Eggeling C, Figge MT, Heinekamp T, Filler SG, Carvalho A, Brakhage AA (2020) Flotillin-dependent lipid-raft microdomains are required for functional phagolysosomes against fungal infections. *Cell Rep* 32(7), 108017.

[Details](#)



Schmidt H, Vlaic S, Krüger T, Schmidt F, Balkenhohl J, Dandekar T, Guthke R, Kniemeyer O, Heinekamp T, Brakhage AA (2018) Proteomics of *Aspergillus fumigatus* conidia-containing phagolysosomes identifies processes governing immune evasion. *Mol Cell Proteomics* 17(6), 1084-1096.

[Details](#)



Johns A†, Scharf DH†, Gsaller F, Schmidt H, Heinekamp T, Straßburger M, Oliver JD, Birch M, Beckmann N, Dobb KS, Gilsonan J, Rash B, Bignell E, Brakhage AA*, Bromley MJ* †shared first authors, *corresponding authors (2017) A nonredundant phosphopantetheinyl transferase, PptA, is a novel antifungal target that directs secondary metabolite, siderophore, and lysine biosynthesis in *Aspergillus fumigatus* and is critical for pathogenicity. *MBio* 8(4), e01504-e01516.

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Heinekamp T, Schmidt H, Lapp K, Pätz V, Shopova I, Köster-Eiserfunke N, Krüger T, Kniemeyer O, Brakhage AA (2015) Interference of *Aspergillus fumigatus* with the immune response. *Semin Immunopathol* 37(2), 141-152. (Review)

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Krüger T, Luo T, Schmidt H, Shopova I, Kniemeyer O (2015) Challenges and Strategies for Proteome Analysis of the Interaction of Human Pathogenic Fungi with Host Immune Cells. *Proteomes* 3(4), 467-495. (Review)

[Details](#)



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