

Dr. Jakob Weber

Alumni

Publications

López-Berges MS, Scheven MT, Hortschansky P, Misslinger M, Baldin C, Gsaller F, Werner ER, Krüger T, Kniemeyer O, Weber J, Brakhage AA, Haas H (2021) The bZIP transcription factor HapX is post-translationally regulated to control iron homeostasis in *Aspergillus fumigatus*. *Int J Mol Sci* 22(14), 7739.

[Details](#)



Ballard E, Weber J, Melchers WJG, Tammireddy S, Whitfield PD, Brakhage AA, Brown AJP, Verweij PE, Warris A (2019) Recreation of in-host acquired single nucleotide polymorphisms by CRISPR-Cas9 reveals an uncharacterised gene playing a role in *Aspergillus fumigatus* azole resistance via a non-cyp51A mediated resistance mechanism. *Fungal Genet Biol* 130, 98-106.

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Netzker T, Flak M, Krespach MK, Stroe MC, Weber J, Schroeckh V, Brakhage AA (2018) Microbial interactions trigger the production of antibiotics. *Curr Opin Microbiol* 45, 117-123. (Review)

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Weber J, Valiante V, Nødvig CS, Mattern DJ, Slotkowski RA, Mortensen UH, Brakhage AA (2017) Functional Reconstitution of a Fungal Natural Product Gene Cluster by Advanced Genome Editing. *ACS Synth Biol* 6(1), 62-68.

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Macheleidt J, Mattern DJ, Fischer J, Netzker T, Weber J, Schroeckh V, Valiante V, Brakhage AA (2016) Regulation and Role of Fungal Secondary Metabolites. *Annu Rev Genet* 50, 371-392. (Review)

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Altwasser R, Baldin C, Weber J, Guthke R, Kniemeyer O, Brakhage AA, Linde J, Valiante V (2015) Network Modeling Reveals Cross Talk of MAP Kinases during Adaptation to Caspofungin Stress in *Aspergillus fumigatus*. *PLOS One* 10(9), e0136932.

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Mattern DJ, Schoeler H, Weber J, Novohradská S, Kraibooj K, Dahse HM, Hillmann F, Valiante V, Figge MT, Brakhage AA (2015) Identification of the antiphagocytic tryptacidin gene cluster in the human-pathogenic fungus *Aspergillus fumigatus*. *Applied Microbiology and Biotechnology* 99(23), 10151-10161.

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Netzker T, Fischer J, Weber J, Mattern DJ, König CC, Valiante V, Schroeckh V, Brakhage AA (2015) Microbial communication leading to the activation of silent fungal secondary metabolite gene clusters. *Front Microbiol* 6, 299. (Review)

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Menke J, Weber J, Broz K, Kistler HC (2013) Cellular development associated with induced mycotoxin synthesis in the filamentous fungus *Fusarium graminearum*. *PLOS One* 8(5), e63077.

[Details](#)



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