

Dr. Maria Stroe

Alumni

Publications

Krespach MKC, Stroe MC, Netzker T, Rosin M, Zehner LM, Komor AJ, Beilmann JM, Krüger T, Scherlach K, Kniemeyer O, Schroeckh V, Hertweck C, Brakhage AA (2023) *Streptomyces* polyketides mediate bacteria-fungi interactions across soil environments. *Nat Microbiol* 8(7), 1348-1361.

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Gil-de-la-Fuente A, Mamani-Huanca M, Stroe MC, Saugar S, Garcia-Alvarez A, Brakhage AA, Barbas C, Otero A (2021) *Aspergillus* metabolome database for mass spectrometry metabolomics. *J Fungi (Basel)* 7(5), 387.

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Krespach MKC, Stroe MC, Flak M, Komor AJ, Nietzsche S, Sasso S, Hertweck C, Brakhage AA (2021) Bacterial marginolactones trigger formation of algal gloeocapsoids, protective aggregates on the verge of multicellularity. *Proc Natl Acad Sci U S A* 118(45), e2100892118.

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Frawley D, Stroe MC, Oakley BR, Heinekamp T, Straßburger M, Fleming AB, Brakhage AA, Bayram Ö (2020) The pheromone module SteC-MkkB-MpkB-SteD-HamE regulates development, stress responses and secondary metabolism in *Aspergillus fumigatus*. *Front Microbiol* 11, 811.

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Shopova IA, Belyaev I, Dasari P, Jahreis S, Stroe MC, Cseresnyés Z, Zimmermann AK, Medyukhina A, Svensson C-M, Krüger T, Szeifert V, Nietzsche S, Conrad T, Blango MG, Kniemeyer O, von Lilienfeld-Toal M, Zipfel PF, Ligeti E, Figge MT, Brakhage AA (2020) Human neutrophils produce antifungal extracellular vesicles against *Aspergillus fumigatus*. *mBio* 11(2), e00596-20.

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Shekhova E, Ivanova L, Krüger T, Stroe MC, Macheleidt J, Kniemeyer O, Brakhage AA (2019) Redox proteomic analysis reveals oxidative modifications of proteins by increased levels of

intracellular reactive oxygen species during hypoxia adaptation of *Aspergillus fumigatus*. *Proteomics* 19(5), e1800339.

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Stroe MC, Netzker T, Schroeckh V, Hanf B, Brakhage AA (2019) Microbial co-cultures as source of novel drugs for infections. In: Elsevier Science (ed.) *Comprehensive Natural Products III: Chemistry and Biology* 3, pp. Chapter 30015. Elsevier. (Review)

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Dasari P, Shopova IA, Stroe M, Wartenberg D, Dahse HM, Beyersdorf N, Hortschansky P, Dietrich S, Cseresnyés Z, Figge MT, Westermann M, Skerka C, Brakhage AA, Zipfel PF (2018) AspF2 from *Aspergillus fumigatus* recruits human immune regulators for immune evasion and cell damage. *Front Immunol* 9, 1635.

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