

Publications

Hudspeth J, Rogge K, Dörner S, Müll M, Hoffmeister D, Rupp B, Werten S (2024) Methyl transfer in psilocybin biosynthesis *Nat Commun* [Accepted]

Schäfer T, Haun F, Gressler M, Spiteller P, Hoffmeister D (2024) Parallel evolution of Asco- and Basidiomycete O-Prenyltransferases. *J Nat Prod* [Accepted]

Löhr NA, Rakhmanov M, Wurlitzer JM, Lackner G, Gressler M, Hoffmeister D (2023) Basidiomycete non-reducing polyketide synthases function independently of SAT domains. *Fungal Biol Biotechnol* 10(1), 17.

Schäfer E, Seibold PS, Bartram S, Trottmann F, Hänsch V, Gressler M, Chadeayne A, Hertweck C, O'Connor S, Hoffmeister D (2023) A "Magic Mushroom" multi-product sesquiterpene synthase. *ChemBioChem* 24(21), e202300511.

Seibold PS, Lawrinowitz S, Raztsou I, Gressler M, Arndt HD, Stallforth P, Hoffmeister D (2023) Bifurcate evolution of quinone synthetases in basidiomycetes. *Fungal Biol Biotechnol* 10(1), 14.

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Lawrinowitz S, Wurlitzer JM, Weiss D, Arndt, HD, Kothe E, Gressler M, Hoffmeister D (2022) Blue light-dependent pre-mRNA splicing controls pigment biosynthesis in the mushroom *Terana caerulea*. *Microbiol Spectr* 10(5), e0106522.

Lenz C, Dörner S, Trottmann F, Hertweck C, Sherwood A, Hoffmeister D (2022) Assessment of bioactivity-modulating pseudo-ring formation in psilocin and related tryptamines. *ChemBioChem* 23(13), e202200183.

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Schäfer T, Kramer K, Werten S, Rupp B, Hoffmeister D (2022) Characterization of the gateway decarboxylase for psilocybin biosynthesis. *ChemBioChem* 23(24), e202200551.

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