

Publications

Löhr NA, Platz L, Hoffmeister D, Müller M (2024) From the forest floor to the lab: insights into the diversity and complexity of mushroom polyketide synthases. *Curr Opin Chem Biol* 82, 102510. (Review)

Platz L, Löhr NA, Gerkens MP, Eisen F, Bär C, Braun K, Fessner N, Hüttel W, Hoffmeister D, Müller M (2024) Regioselective oxidative phenol coupling by a mushroom unspecific peroxygenase. *Angew Chem Int Ed* 63(42), e202407425.

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.

Löhr NA, Eisen F, Thiele W, Platz L, Motter J, Hüttel W, Gressler M, Müller M, Hoffmeister D (2022) Unprecedented mushroom polyketide synthases produce the universal anthraquinone precursor. *Angew Chem Int Ed* 61(24), e202116142.

Löhr NA, Urban MC, Eisen F, Platz L, Hüttel W, Gressler M, Müller M, Hoffmeister D (2022) The ketosynthase domain controls chain length in mushroom oligocyclic polyketide synthases. *ChemBioChem* 24(3), e202200649.

Gressler M, Löhr NA, Schäfer T, Lawrinowitz S, Seibold PS, Hoffmeister D (2021) Mind the mushroom: natural product biosynthetic genes and enzymes of Basidiomycota. *Nat Prod Rep* 38(4), 702-722. (Review)

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