

Publications

Kirchgaessner L, Wurlitzer JM, Seibold PS, Rakhmanov M, Gressler M (2023) A genetic tool to express long fungal biosynthetic genes. *Fungal Biol Biotechnol* 10(1), 4.

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.

Rassbach J, Merseburger P, Wurlitzer JM, Binnemann N, Voigt K, Rohlf M, Gressler M (2023) Insecticidal cyclodepsitrapeptides from *Mortierella alpina*. *J Nat Prod* 86(7), 1715-1722.

Yang YL, Zhou M, Yang L, Gressler M, Rassbach J, Wurlitzer JM, Zeng Y, Gao K, Hoffmeister D (2023) A mushroom P450-monooxygenase enables regio- and stereoselective biocatalytic synthesis of epoxy cyclohexenones. *Angew Chem Intl Ed* 62(49), e202313817.

Dörner S, Rogge K, Fricke J, Schäfer T, Wurlitzer JM, Gressler M, Pham DNK, Manke DR, Chadeayne AR, Hoffmeister D (2022) Genetic survey of *Psilocybe* natural products. *ChemBioChem* 23(14), e202200249.

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.

Wurlitzer JM, Stanišić A, Ziethe S, Jordan PM, Günther K, Werz O, Kries H, Gressler M (2022) Macrophage-targeting oligopeptides from *Mortierella alpina*. *Chem Sci* 13(31), 9091-9101.

Wurlitzer J, Stanišić A, Wasmuth I, Jungmann S, Fischer D, Kries H, Gressler M (2020) Bacterial-like nonribosomal peptide synthetases produce cyclopeptides in the zygomycetous fungus *Mortierella alpina*. *Appl Env Microbiol* 87(3), e02051-20.

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