

## Publications

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.

Lenz C, Dörner S, Sherwood A, Hoffmeister D (2021) Structure elucidation and spectroscopic analysis of chromophores produced by oxidative psilocin dimerization. *Chemistry* 27(47), 12166-12171.

Lenz C, Sherwood A, Kargbo R, Hoffmeister D (2021) Taking different roads: L-Tryptophan as the origin of *Psilocybe* natural products. *ChemPlusChem* 86(1), 28-35. (Review)

Fricke J, Kargbo R, Regestein L, Lenz C, Peschel G, Rosenbaum MA, Sherwood A, Hoffmeister D (2020) Scalable hybrid synthetic/biocatalytic route to psilocybin. *Chem Eur J* 37(26), 8281-8285.

Lenz C, Wick J, Braga D, Garcia-Altare M, Lackner G, Hertweck C, Gressler M, Hoffmeister D (2020) Injury-triggered blueing reactions of *Psilocybe* "magic" mushrooms. *Angew Chem Int Ed* 59(4), 1450-1454.

Seibold PS, Lenz C, Gressler M, Hoffmeister D (2020) The *Laetiporus* polyketide synthase LpaA produces a series of antifungal polyenes. *J Antibiot* 73(10), 711-720.

Fricke J, Lenz C, Wick J, Blei F, Hoffmeister D (2019) Production options for psilocybin - The making of the magic. *Chem Eur J* 25(4), 897-903. (Review)

Tauber JP, Matthaeus C, Lenz C, Hoffmeister D, Popp J (2018) Analysis of basidiomycete pigments *in situ* by Raman spectroscopy. *J Biophoton* 11(6), e201700369.

Lenz C, Wick J, Hoffmeister D (2017) Identification of *N*-Methyl-4-hydroxytryptamine (Norpsilocin) as a *Psilocybe* Natural Product. *J Nat Prod* 80, 2835-2838.

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