

Publications

Blei F, Dörner S, Fricke J, Baldeweg F, Trottmann F, Komor AJ, Meyer F, Hertweck C, Hoffmeister D (2020) Simultaneous production of psilocybin and a cocktail of β -carboline monoamine oxidase inhibitors in 'magic' mushrooms. *Chem Eur J* 26(3), 729-734.

[Details](#)



Ding L, Hertweck C (2020) Oxygenated geosmins and plant-like eudesmanes from a bacterial mangrove endophyte. *J Nat Prod* 83(7), 2207-2211.

[Details](#)



Dose B, Ross C, Niehs SP, Scherlach K, Bauer JP, Hertweck C (2020) Food-poisoning bacteria employ a citrate synthase and a type II NRPS to synthesize bolaamphiphilic lipopeptide antibiotics. *Angew Chem Int Ed* 59(48), 21535-21540.

[Details](#)



Dunbar KL, Dell M, Gude F, Hertweck C (2020) Reconstitution of polythioamide antibiotic backbone formation reveals unusual thiotemplated assembly strategy. *Proc Nat Acad Sci USA* 117(16), 8850-8858.

[Details](#)



Dunbar KL, Dell M, Molloy EM, Büttner H, Kumpfmüller J, Hertweck C (2020) An unexpected split-merge pathway to the symmetric nonribosomal peptide antibiotic closthioamide. *Angew Chem Int Ed* 60(8), 4104-4109.

[Details](#)



Hermenau R, Kugel S, Komor AJ, Hertweck C (2020) Helper bacteria halt and disarm mushroom pathogens by linearizing structurally diverse cyclolipopeptides. *Proc Natl Acad Sci U S A* 117(38), 23802-23806.

[Details](#)



Ishida K, Shabuer G, Schieferdecker S, Pidot SJ, Stinear TP, Knuepfer U, Cyrulies M, Hertweck C (2020) Oak-associated negativicute equipped with ancestral aromatic polyketide synthase produces antimycobacterial dendrubins. *Chem Eur J* 26(58), 13147-13151.

[Details](#)



Krespach MKC, García-Altares M, Flak M, Schoeler H, Scherlach K, Netzker T, Schmalzl A, Mattern DJ, Schroeckh V, Komor AJ, Mittag M, Hertweck C, Brakhage AA (2020) Lichen-like association of *Chlamydomonas reinhardtii* and *Aspergillus nidulans* protects algal cells from bacteria. *ISME J* 14(11), 2794-2805.

[Details](#)



Lenz C, Wick J, Braga D, Garcia-Altres 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.

[Details](#)



Neuwirth T, Letzel AC, Tank C, Ishida K, Cyrulies M, Schmölz L, Lorkowski S, Hertweck C (2020) Induced production, synthesis and immunomodulatory action of clostrisulfone, a diarylsulfone from *Clostridium acetobutylicum*. *Chemistry* 26(68), 15855-15858.

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