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Publications

Büttner H, Pidot SJ, Scherlach K, Hertweck C (2023) Endofungal bacteria boost anthelminthic host protection with the biosurfactant symbiosin. *Chem Sci* 14(1), 103-112.

Details

PubMed
OPEN ACCESS
PAPER

Ehinger F, Niehs S, Dose B, Dell M, Krabbe J, Pidot SJ, Stinear TP, Scherlach K, Ross C, Lackner G, Hertweck C (2023) Analysis of rhizonin biosynthesis reveals origin of pharmacophoric furylalanine moieties in diverse cyclopeptides. *Angew Chem Int Ed Engl* 62(42), e202308540.

Details

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Krespach MKC, Stroe MC, Netzker T, Rosin M, Zehner LM, Komor AJ, Beilmann JM, Krüger T, Scherlach K, Kniemeyer O, Schroeckh V, Hertweck C, Brakhage AA (2023) *Streptomyces* polyketides mediate bacteria-fungi interactions across soil environments. *Nat Microbiol* 8(7), 1348-1361.

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Dietrich A, Steffens U, Gajdiss M, Boschert AL, Dröge JK, Szekat C, Sass P, Malik IT, Bornikoel J, Reinke L, Maček B, Franz-Wachtel M, Nieselt K, Harbig T, Scherlach K, Brötz-Oesterhelt H, Hertweck C, Sahl HG, Bierbaum G (2022) Cervimycin-resistant *Staphylococcus aureus* strains display Vancomycin-intermediate resistant phenotypes. *Microbiol Spectr* 10(5), e0256722.

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Horch T, Molloy EM, Bredy F, Haensch VG, Scherlach K, Dunbar KL, Franke J, Hertweck C (2022) Alternative benzoxazole assembly discovered in anaerobic bacteria provides access to privileged heterocyclic scaffold. *Angew Chem Int Ed* 61(32), e202205409.

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Janke RS, Kaftan F, Niehs SP, Scherlach K, Rodrigues A, Svatoš A, Hertweck C, Kaltenpoth M, Flórez LV (2022) Bacterial ectosymbionts in cuticular organs chemically protect a beetle during molting stages. *ISME J* 16(12), 2691-2701.

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Dose B, Niehs SP, Scherlach K*, Shahda S, Flórez LV#, Kaltenpoth M, Hertweck C (2021) Biosynthesis of sinapigladioside, an antifungal isothiocyanate from *Burkholderia* symbionts. *Chembiochem* 22(11), 1920-1924.

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Dose B, Thongkongkaew T, Zopf D, Kim HJ, Bratovanov EV, García-Altares M, Scherlach K, Kumpfmüller J, Ross C, Hermenau R, Niehs S, Silge A, Hniopek J, Schmitt M, Popp J, Hertweck C (2021) Multimodal molecular imaging and identification of bacterial toxins causing mushroom soft rot and cavity disease. *Chembiochem* 22(19), 2901-2907.

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Liu M, Ohashi M, Hung YS, Scherlach K, Watanabe K, Hertweck C, Tang Y (2021) AoiQ catalyzes geminal dichlorination of 1,3-diketone natural products. *J Am Chem Soc* 143(19), 7267-7271.

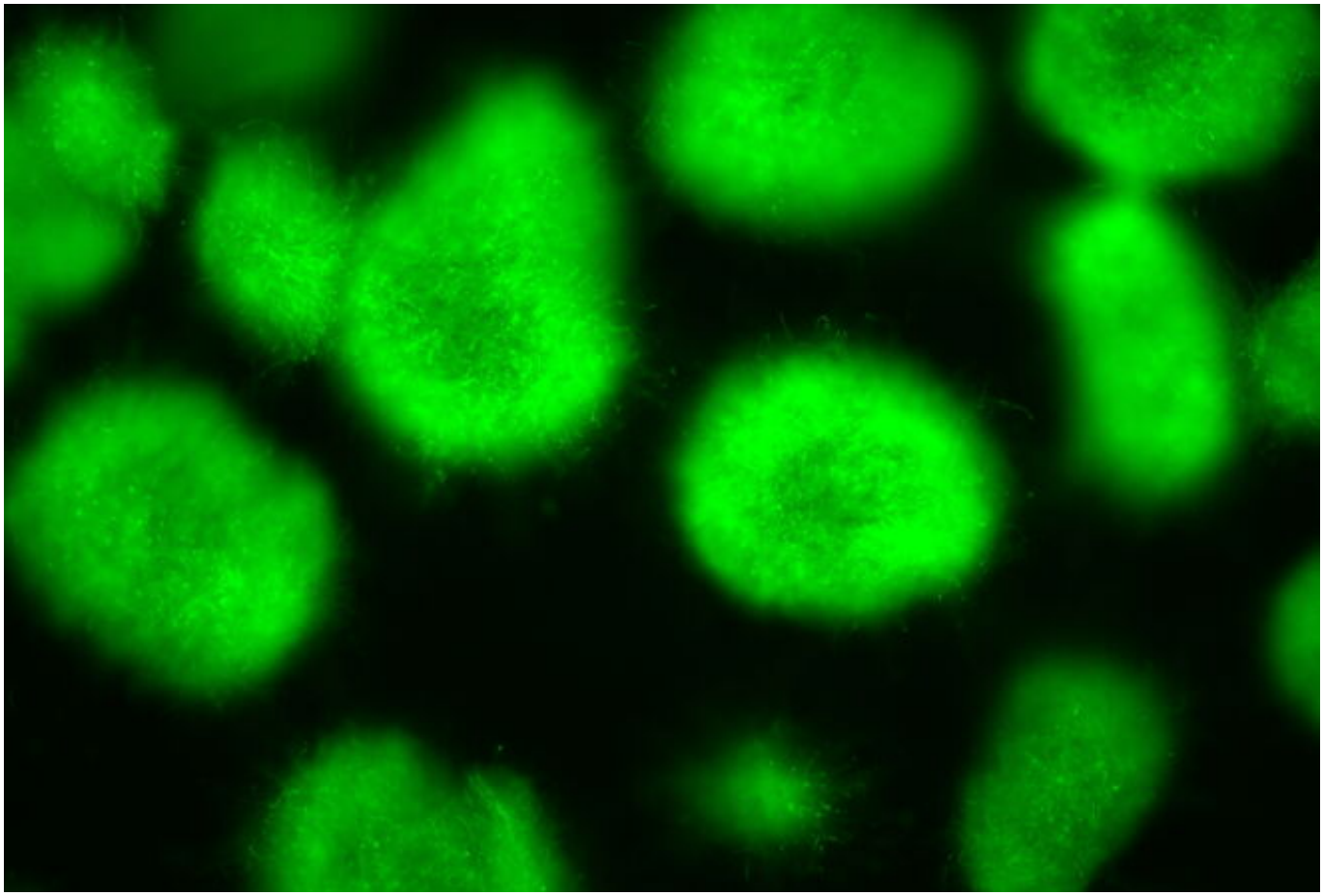
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