

Publications

Kim HJ, Ishida K, Hertweck C (2022) Thiotemplated biosynthesis of bacterial polyene fatty acids by a designated desaturase triad. *ChemBioChem* 23(21), e202200430.

Kim HJ, Ishida K, Ishida-Ito M, Hertweck C (2022) Sequential allylic alcohol formation by a multifunctional cytochrome P450 monooxygenase with rare redox partners. *Angew Chem Int Ed* 61(26), e202203264.

Dose B, Thongkongkaew T, Zopf D, Kim HJ, Bratovanov EV, García-Altare 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.

Hotter V, Zopf D, Kim HJ, Silge A, Schmitt M, Aiyar P, Fleck J, Matthäus C, Hniopek J, Yan Q, Loper J, Sasso S, Hertweck C, Popp J, Mittag M (2021) A polyene toxin produced by an antagonistic bacterium blinds and lyses a Chlamydomonad alga. *Proc Natl Acad Sci U S A* 118(33), e2107695118.

Sundaram S, Kim HJ, Bauer R, Thongkongkaew T, Heine D, Hertweck C (2018) On-line polyketide cyclization into diverse medium-sized lactones by a specialized ketosynthase domain. *Angew Chem Int Ed* 57(35), 11223-11227.

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