

Publications

Dell M, Tran MA, Capper MJ, Sundaram S, Fiedler J, Koehnke J, Hellmich UA, Hertweck C (2023) Trapping of a polyketide synthase module after C-C bond formation reveals transient acyl carrier domain interactions. *Angew Chem Int Ed Engl* 63(9), e202315850.

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.

Kugel S, Baunach M, Baer P, Ishida-Ito M, Sundaram S, Xu Z, Groll M, Hertweck C (2017) Cryptic indole hydroxylation by a non-canonical terpenoid cyclase parallels bacterial xenobiotic detoxification. *Nat Commun* 8, 15804.

Heine D, Sundaram S, Beudert M, Martin K, Hertweck C (2016) A widespread bacterial phenazine forms conjugates with biogenic thiols and crosslinks proteins. *Chem Sci* 7, 4848-4855.

Sundaram S, Hertweck C (2016) On-line enzymatic tailoring of polyketides and peptides in thiotemplate systems. *Curr Opin Chem Biol* 31, 82-94. (Review)

Heine D, Sundaram S, Bretschneider T, Hertweck C (2015) Twofold polyketide branching by a stereoselective enzymatic Michael addition *Chem Commun (Camb)*. 51(48), 9872-9875.

Sundaram S, Heine D, Hertweck C (2015) Polyketide synthase chimeras reveal key role of ketosynthase domain in chain branching *Nat Chem Biol*. 11(12), 949-951.

Heine D, Bretschneider T, Sundaram S, Hertweck C (2014) Enzymatic Polyketide Chain Branching to Give Substituted Lactone, Lactam, and Glutarimide Heterocycles. *Angew Chem Int Ed Engl* 53(43), 11645-11649.

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