

Publications

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.

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Hasan M, Schulze S, Berndt L, Palm G J, Braga D, Richter I, Last D, Lammers M, Lackner G[#] (2022) Diversification by CofC and control by CofD govern biosynthesis and evolution of coenzyme F420 and its derivative 3PG-F420. *mBio* 13(1), e03501-21.

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Peña-Ortiz L, Schlembach I, Lackner G, Regestein L (2020) Impact of oxygen supply and scale up on *Mycobacterium smegmatis* cultivation and mycofactocin formation. *Front Bioeng Biotechnol* 8(1399), 593781.

Braga D, Last D, Hasan M, Guo H, Leichnitz D, Uzum Z, Richter I, Schalk F, Beemelmanns C, Hertweck C, Lackner G (2019) Metabolic pathway rerouting in *Paraburkholderia rhizoxinica* evolved long-overlooked derivatives of coenzyme F420. *ACS Chem Biol* 14(9), 2088-2094.

Götze S, Arp J, Lackner G, Zhang S, Kries H, Klapper M, García-Altares M, Willing K, Günther M, Stallforth P (2019) Structure elucidation of the syringafactin lipopeptides provides insight in the evolution of nonribosomal peptide synthetases. *Chem Sci* 10(48), 10979-10990.

Brandenburger E, Braga D, Kombrink A, Lackner G, Gressler J, Künzler M, Hoffmeister D (2018) Multi-genome analysis identifies functional and phylogenetic diversity of basidiomycete adenylate-forming reductases. *Fungal Genet Biol* 112, 55-63.

Guo H, Schmidt A, Stephan P, Raguž L, Braga D, Kaiser M, Dahse HM, Weigel C, Lackner G, Beemelmanns C (2018) Precursor-directed diversification of cyclic tetrapeptidic pseudoxylallemycins. *ChemBioChem* 19(21), 2307-2311.

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