

Publications

Klapper M*, Hübner A*, Ibrahim A*, Wasmuth I, Borry M, Haensch VG, Zhang S, Al-Jammal WK, Suma H, Fellows Yates JA, Frangenberg J, Velsko IM, Chowdhury S, Herbst R, Bratovanov EV, Dahse HM, Horch T, Hertweck C, González Morales MR, Straus LG, Vilotijevic I, Warinner C, Stallforth P (2023) Natural products from reconstructed bacterial genomes of the Middle and Upper paleolithic. *Science* 380(6645), 619-624.

Klapper M, Schlabach K, Paschold A, Zhang S, Chowdhury S, Menzel KD, Rosenbaum MA, Stallforth P (2020) Biosynthesis of *pseudomonas*-derived butenolides. *Angew Chem Int Ed* 59(14), 5607-5610.

Götze S, Arp J, Lackner G, Zhang S, Kries H, Klapper M, García-Altare 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.

Klapper M, Paschold A, Zhang S, Weigel C, Dahse HM, Götze S, Pace S, König S, Rao Z, Reimer L, Werz O, Stallforth P (2019) Bioactivity and mode of action of bacterial tetramic acids. *ACS Chem Biol* 14(8), 1693-1697.

Arp J, Götze S, Mukherji R, Mattern DJ, Garcia-Altare M, Klapper M, Brock DA, Brakhage AA, Strassmann JE, Queller DC, Bardl B, Willing K, Peschel G, Stallforth P (2018) Synergistic activity of co-secreted natural products from amoebae-associated bacteria. *Proc Natl Acad Sci USA* 115(15), 3758-3763.

Klapper M, Arp J, Günther M, Stallforth P (2018) The role of bacterial natural products in predator defense. *Synlett* 29(5), 537-541. (Review)

Klapper M, Braga D, Lackner G, Herbst R, Stallforth P (2018) Bacterial alkaloid biosynthesis: Structural diversity via a minimalistic nonribosomal peptide synthetase. *Cell Chem Biol* 25(6), 659-665.

Götze S, Herbst-Irmer R, Klapper M, Görls H, Schneider KRA, Barnett R, Burks T, Neu U, Stallforth P (2017) Structure, Biosynthesis, and Biological Activity of the Cyclic Lipopeptide Anikasin. *ACS Chem Biol* 12(10), 2498-2502.

Klapper M, Götze S, Barnett R, Willing K, Stallforth P (2016) Bacterial alkaloids prevent amoebal predation. *Angew Chem Int Ed* 55(31), 8944-8947.

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