

Publications

Morales-Amador A, Souto ML, Hertweck C, Fernández JJ, García-Altare M (2022) Rapid screening of polyol polyketides from marine Dinoflagellates. *Anal Chem* 94(41), 14205-14213.

Krespach MKC, García-Altare M, Flak M, Schoeler H, Scherlach K, Netzker T, Schmalzl A, Mattern DJ, Schroeckh V, Komor AJ, Mittag M, Hertweck C, Brakhage AA (2020) Lichen-like association of *Chlamydomonas reinhardtii* and *Aspergillus nidulans* protects algal cells from bacteria. *ISME J* 14(11), 2794-2805.

Lenz C, Wick J, Braga D, Garcia-Altare M, Lackner G, Hertweck C, Gressler M, Hoffmeister D (2020) Injury-triggered blueing reactions of *Psilocybe* "magic" mushrooms. *Angew Chem Int Ed* 59(4), 1450-1454.

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.

Kramell AE, García-Altare M, Pötsch M, Kluge R, Rother A, Hause G, Hertweck C, Csuk R (2019) Mapping natural dyes in archeological textiles by imaging mass spectrometry. *Sci Rep* 9(1), 2331.

Trottmann F, Franke J, Ishida K, Garcia-Altare M, Hertweck C (2019) A pair of bacterial siderophores releases and traps an intercellular signal molecule: An unusual case of natural nitrene bioconjugation. *Angew Chem Int Ed* 58(1), 200-204.

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.

Benndorf R, Guo H, Sommerwerk E, Weigel C, Garcia-Altare M, Martin K, Hu H, Kuefner M, de Beer ZW, Poulsen M, Beemelmans C (2018) Natural products from Actinobacteria associated with fungus-growing termites. *Antibiotics* 7(3), 83.

Fischer J, Müller SY, Netzker T, Jäger N, Gacek-Matthews A, Scherlach K, Stroe MC, García-Altare M, Pezzini F, Schoeler H, Reichelt M, Gershenzon, Krespach MK, Shelest E, Schroeckh V, Valiante V, Heinzl T, Hertweck C, Strauss J, Brakhage AA (2018) Chromatin mapping identifies BasR, a key regulator of bacteria-triggered production of fungal secondary metabolites. *eLife* 7, e40969.

Thongkongkaew T, Ding W, Bratovanov E, Oueis E, Garcia-Altare M, Zaburanyi N, Harmrolfs K, Zhang Y, Scherlach K, Müller R, Hertweck C (2018) Two types of threonine-tagged lipopeptides synergize in host colonization by pathogenic *Burkholderia* species. *ACS Chem Biol* 13(5), 1370-1379.

Aiyar P, Schaeme D, García-Altare M, Carrasco Flores D, Dathe H, Hertweck C, Sasso S, Mittag M (2017) Antagonistic bacteria disrupt calcium homeostasis and immobilize algal cells. *Nat Commun* 8(1), 1756.

Brandt P, García-Altare M, Nett M, Hertweck C, Hoffmeister D (2017) Induced chemical defense

of a mushroom by a double-bond-shifting polyene synthase. *Angew Chem Int Ed* 56(21), 5937-5941.

Guo H, Kreuzenbeck NB, Otani S, Garcia-Altare M, Dahse HM, Weigel C, Aanen DK, Hertweck C, Poulsen M, Beemelmans C (2016) Pseudoxylallemycins A-F, cyclic tetrapeptides with rare allenyl modifications isolated from *Pseudoxylaria* sp. X802: A competitor of fungus-growing termite cultivars. *Org Lett* 18, 3338-3341.

*equal contribution #corresponding author