

Publications

Carrasco Flores D, Hotter V, Vuong T, Hou Y, Bando Y, Scherlach K, Burgunter-Delamare B, Hermenau R, Komor AJ, Aiyar P, Rose M, Sasso S, Arndt HD, Hertweck C, Mittag M (2024) A mutualistic bacterium rescues a green alga from an antagonist. *Proc Natl Acad Sci U S A* 121(15), e2401632121.

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.

Gama S, Hermenau R, Frontauria M, Milea D, Sammartano S, Hertweck C, Plass W (2021) Iron coordination properties of gramibactin as model for the new class of diazeniumdiolate based siderophores. *Chemistry* 27(8), 2724-2733.

Hermenau R, Kugel S, Komor AJ, Hertweck C (2020) Helper bacteria halt and disarm mushroom pathogens by linearizing structurally diverse cyclolipopeptides. *Proc Natl Acad Sci U S A* 117(38), 23802-23806.

Hermenau R, Mehl JL, Ishida K, Dose B, Ishida-Ito M, Pidot SJ, Stinear TP, Hertweck C (2019) Genomics-driven discovery of NO-donating diazeniumdiolate siderophores in diverse plant-associated bacteria. *Angew Chem Int Ed* 58(37), 13024-13029.

Hermenau R, Ishida K, Gama S, Hoffmann B, Pfeifer-Leeg M, Plass W, Mohr JF, Wichard T, Saluz HP, Hertweck C (2018) Gramibactin is a bacterial siderophore with a diazeniumdiolate ligand system. *Nat Chem Biol* 14(9), 841-843.

*equal contribution #corresponding author