

Publications

Scharf DH, Chankhamjon P, Scherlach K, Dworschak J, Heinekamp T, Roth M, Brakhage AA, Hertweck C (2021) N-heterocyclization in gliotoxin biosynthesis is catalyzed by a distinct cytochrome P450 monooxygenase. *Chembiochem* 22(2), 336-339.

Scherlach K, Kutenlochner W, Scharf DH, Brakhage AA, Hertweck C, Groll M, Huber EM (2021) Structural and mechanistic insights into C-S bond formation in gliotoxin. *Angew Chem Int Ed* 60(25), 14188-14194.

Scharf DH, Dworschak JD, Chankhamjon P, Scherlach K, Heinekamp T, Brakhage AA, Hertweck C (2018) Reconstitution of enzymatic carbon-sulfur bond formation reveals detoxification-like strategy in fungal toxin biosynthesis. *ACS Chem Biol* 13(9), 2508-2512.

Dunbar KL, Scharf DH, Litomska A, Hertweck C (2017) Enzymatic Carbon-Sulfur Bond Formation in Natural Product Biosynthesis. *Chem Rev* 117(8), 5521-5577. (Review)

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Marion A, Groll M, Scharf DH, Scherlach K, Glaser M, Sievers H, Schuster M, Hertweck C, Brakhage AA, Antes I, Huber EM (2017) Gliotoxin Biosynthesis: Structure, Mechanism, and Metal Promiscuity of Carboxypeptidase GliJ. *ACS Chem Biol* 12(7), 1874-1882.

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