

Markus Nett

Alumni

Publications

Baldeweg F, Hoffmeister D, Nett M (2019) A genomics perspective on natural product biosynthesis in plant pathogenic bacteria. *Nat Prod Rep* 36(2), 307-325. (Review)

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Baldeweg F, Kage H, Schieferdecker S, Allen C, Hoffmeister D, Nett M (2017) Structure of ralsolamycin, the inter-kingdom morphogen of the crop plant pathogen *Ralstonia solanacearum* GMI1000. *Org Lett* 19, 4868-4871.

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Brandt P, García-Altares 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.

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Valiante V, Mattern DJ, Schüffler A, Horn F, Walther G, Scherlach K, Petzke L, Dickhaut J, Guthke R, Hertweck C, Nett M, Thines E, Brakhage AA (2017) Discovery of an Extended Austinoid Biosynthetic Pathway in *Aspergillus calidoustus*. *ACS Chem Biol* 12(5), 1227-1234.

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Braga D, Hoffmeister D, Nett M (2016) A non-canonical peptide synthetase adenylates 3-methyl-2-oxovaleric acid for auriculamide biosynthesis *Beilstein J Org Chem* 12, 2766-2770.

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Kalb D, Heinekamp T, Schieferdecker S, Nett M, Brakhage AA, Hoffmeister D (2016) An Iterative O-Methyltransferase Catalyzes 1,11-Dimethylation of *Aspergillus fumigatus* Fumaric Acid Amides. *ChemBioChem* 17, 1813-1817.

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Korp J, Vela Gurovic MS, Nett M (2016) Antibiotics from predatory bacteria. *Beilstein J Org Chem* 12, 594-607. (Review)

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Kurth C, Kage H, Nett M (2016) Siderophores as molecular tools in medical and environmental applications. *Org Biomol Chem* 14(35), 8212-8227.

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Kurth C, Schieferdecker S, Athanasopoulou K, Seccareccia I, Nett M (2016) Variochelins, lipopeptide siderophores from *Variovorax boronicumulans* discovered by genome mining. *J Nat Prod* 79(4), 865-872.

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Schaible AM, Filosa R, Krauth V, Temml V, Pace S, Garscha U, Liening S, Weinigel C, Rummler S, Schieferdecker S, Nett M, Peduto A, Collarile S, Scuotto M, Roviezzo F, Spaziano G, de Rosa M, Stuppner H, Schuster D, D'Agostino B, Werz O (2016) The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellulo and blocks bronchoconstriction and inflammation *in vivo*. *Biochem Pharmacol* 112, 60-71.

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