



Karsten Willing

[Bio Pilot Plant](#) +49 3641 532-1137 karsten.willing@leibniz-hki.de

Topics

[Bioprocess development](#)

[TandemFerm](#)

[UPLIFT](#)

[Bioprocess development: Druka](#)

Publications

Moghaddam Amri J, Guo H, Willing K, Wichard T, Beemelmanns C (2022) Identification of the new prenyltransferase Ubi-297 from marine bacteria and elucidation of its substrate specificity. *Beilstein J Org Chem* 18, 722-731.

[Details](#)



Weiser S, Tiso T, Willing K, Bardl B, Eichhorn L, Blank LM, Regestein L (2022) Foam-free production of the rhamnolipid precursor 3-(3-hydroxyalkanoyloxy) alkanoic acid (HAA) by *Pseudomonas putida* *DChE*,

[Details](#)



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

[Details](#)



Arp J, Götze S, Mukherji R, Mattern DJ, Garcia-Altres 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.

[Details](#)



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

[Details](#)



Baunach M, Ding L, Willing K, Hertweck C (2015) Bacterial synthesis of unusual sulfonamide and

sulfone antibiotics by flavoenzyme-mediated sulfur dioxide capture. *Angew Chem Int Ed Engl.* 54(45), 13279-13283.

[Details](#)



Scharf DH, Chankhamjon P, Scherlach K, Heinekamp T, Willing K, Brakhage AA, Hertweck C (2013) Epidithiodiketopiperazine biosynthesis: A four-enzyme cascade converts glutathione conjugates into transannular disulfide bridges. *Angew Chem Int Ed* 52(42), 11092-11095.

[Details](#)



Ozegowski JH, Presselt N, Härtl A, Bocker T, Sängler J, Schmidt A, Willing K, Müller PJ (2008) Anti-atherosclerotic effect of microbial hyaluronate lyase from group B streptococci. *Pharmazie* 63(8), 601-605.

[Details](#)



[Publication list as PDF](#)

News



[The map to the natural product treasure trove Leibniz-HKI scientists develop a model of the evolution of biosynthetic pathways](#) 01/31/2020 [Read more](#)