

Dr. Huijuan Guo

Alumni

Publications

Fricke J, Schalk F, Kreuzenbeck NB, Seibel E, Hoffmann J, Dittmann G, Conlon BH, Guo H, Wilhelm de Beer Z, Vassão DG, Gleixner G, Poulsen M, Beemelmans C (2023) Adaptations of *Pseudoxylaria* towards a comb-associated lifestyle in fungus-farming termite colonies. *ISME J* 17(5), 733-747.

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Kreuzenbeck NB, Dhiman S, Roman D, Burkhardt I, Conlon BH, Fricke J, Guo H, Blume J, Görls H, Poulsen M, Dickschat JS, Köllner TG, Arndt HD, Beemelmans C (2023) Isolation, (bio)synthetic studies and evaluation of antimicrobial properties of drimenol-type sesquiterpenes of *Termitomyces* fungi. *Commun Chem* 6(1), 79.

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Bissell AU, Rautschek J, Hoefgen S, Raguž L, Mattern DJ, Saeed N, Janevska S, Jojić K, Huang Y, Kufs JE, Herboeck B, Guo H, Hillmann F, Beemelmans C, Valiante V (2022) Biosynthesis of the sphingolipid inhibitors sphingofungins in filamentous fungi requires aminomalonate as a metabolic precursor. *ACS Chem Biol* 17(2), 386-394.

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Guo H, Daniel JM, Seibel E, Burkhardt I, Conlon BH, Görls H, Vassão DG, Dickschat JS, Poulsen M, Beemelmans C (2022) Insights into the metabolomic capacity of podaxis and isolation of podaxisterols A-D, ergosterol derivatives carrying nitrosyl cyanide-derived modifications. *J Nat Prod* 85(9), 2159-2167.

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Guo H, Rischer M, Beemelmans C (2022) Signalling molecules inducing metamorphosis in marine organisms. *Nat Prod Rep* 39(9), 1833-1855. (Review)

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Lee SR, Schalk F, Schwitalla JW, Guo H, Yu JS, Song M, Jung WH, de Beer ZW, Beemelmans C, Kim KH (2022) GNPS**-guided discovery of madurastatins A1, A2, E1, F, and G1, siderophores from the termite-associated *Actinomadura* sp. RB99. (GNPS=global natural product social molecular networking platform.) *Chemistry* 28(36), e202200612.

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Moghaddam Amri J, Guo H, Willing K, Wichard T, Beemelmans 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.

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Guo H, Rischer M, Westermann M, Beemelmans C (2021) Two distinct bacterial biofilm components trigger metamorphosis in the colonial hydrozoan *Hydractinia echinata*. *mBio* 12(3),

e0040121.

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Lee SR, Guo H, Yu JS, Park M, Dahse HM, Jung WH, Beemelmans C, Kim KH (2021) Revised structural assignment of azalomycins based on genomic and chemical analysis. *Org Chem Front* 8, 4791-4798.

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Schmidt S, Kildgaard S, Guo H, Beemelmans C, Poulsen M (2021) The chemical ecology of the fungus-farming termite symbiosis. *Nat Prod Rep* 39(2), 231-248. (Review)

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