

Publications

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

Hoefgen S, Bissell AU, Huang Y, Gherlone F, Raguž L, Beemelmans C, Valiante V (2022) Desaturation of the sphingofungin polyketide tail results in increased serine palmitoyltransferase inhibition. *Microbiol Spectr* 10(5), e0133122.

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.

Lechnitz D, Peng CC, Raguž L, Rutaganira FUN, Jautzus T, Regestein L, King N, Beemelmans C (2021) Structural and functional analysis of bacterial sulfonosphingolipids and rosette-inducing factor 2 (RIF-2) by mass spectrometry-guided isolation and total synthesis. *Chemistry* 28(8), e202103883.

Raguž L, Peng CC, Kaiser M, Görls H, Beemelmans C^{*} (2021) A modular approach to the antifungal Sphingofungin family: Concise total synthesis of Sphingofungin A and C. *Angew Chem Int Ed* 61(5), e202112616.

Ghods Z, Kalbassi MR, Farzaneh P, Mobarez AM, Beemelmans C, Amiri Moghaddam J (2020) Immunomodulatory function of antimicrobial peptide Ec-Hepcidin1 modulates the induction of inflammatory gene expression in primary cells of caspian trout (*Salmo trutta caspius* Kessler, 1877). *Fish Shellfish Immunol* 104, 55-61.

Lechnitz D, Raguž L, Beemelmans C (2017) Total synthesis and functional analysis of microbial signalling molecules. *Chem Soc Rev* 46(20), 6330-6344. (Review)

Rischer M, Lechnitz D, Beemelmans C (2017) Bakterien-induzierte Morphogenese mariner Eukaryoten Wissenschaft. *BIOSpektrum* 2017(6), 634-637. (Review)

Klassen JL, Rischer M, Wolf T, Guo H, Shelest E, Clardy J, Beemelmans C (2015) Genome Sequences of Three *Pseudoalteromonas* Strains P1-8, P1-11 and P1-30 Isolated from the Marine Hydroid *Hydractinia echinata* *Genome Announc.* 3(6), e01380-15.

Klassen JL, Wolf T, Rischer M, Guo H, Shelest E, Clardy J, Beemelmans C (2015) Draft Genome Sequences of Six *Pseudoalteromonas* sp. Strains P1-7a, P1-9, P1-13-1a, P1-16-1b, P1-25 and P1-26, which Induce Larval Settlement and Metamorphosis in *Hydractinia echinata* *Genome Announc.* 3(6), e01477-15.

^{*}equal contribution [#]corresponding author