

2006	Procter and Gamble Award, <i>Fachgruppe Chemie</i> , RWTH Aachen
2003	Chemistry award of the Faculty for Mathematics, Computer Science and Natural Sciences; RWTH Aachen
2003 RWTH	Schöneborn Preis der Gesellschaft der Freunde und Förderer der Aachen e.V., RWTH Aachen

Most important publications

- [1] F. Schalk, C. Gostinčar, N. B. Kreuzenbeck, B. H. Schantz-Conlon, E. Sommerwerk, P. Rabe, I. Burkhardt, T. Krüger, O. Kniemeyer, A. A. Brakhage, N. Gunde-Cimerman, W. Z. De Beer, J. S. Dickschat, M. Poulsen, **C. Beemelmans**, The termite fungal cultivar *Termitomyces* combines diverse enzymes and oxidative reactions for plant biomass conversion, *mBio* **2021**, 12, e03551-20.
- [2] H. Guo, M. Rischer, M. Westermann, **C. Beemelmans**, Two distinct bacterial biofilm components trigger metamorphosis in the colonial hydrozoan *Hydractinia echinata*, *mBio* **2021**, 12, e0040121.
- [3] H. Guo, J. W. Schwitalla, R. Benndorf, M. Baunach, C. Steinbeck, H. Görls, Z. W. de Beer, L. Regestein, **C. Beemelmans**, Gene cluster activation in a bacterial symbiont leads to halogenated angucyclic maduralactomycins and spirocyclic actinospirols, *Org. Lett.* **2020**, 22, 2634-2638.
- [4] D. Roman, L. Raguž, F. Keiff, F. Meyer, F. Barthels, T. Schirmeister, F. Kloss, **C. Beemelmans**, Modular solid-phase synthesis of antiprotozoal barnesin derivatives, *Org. Lett.* **2020**, 22, 3744-3748.
- [5] M. Rischer, S. R. Lee, H. J. Eom, H. B. Park, J. Vollmers, A. K. Kaster, J. H. Shin, D. C. Oh, K. H. Kim, **C. Beemelmans**, Spirocyclic cladosporicin A and cladosporiumins I and J from a *Hydractinia*-associated *Cladosporium sphaerospermum* SW67, *Org. Chem. Front.* **2019**, 6, 1084-1093.
- [6] H. Guo, R. Benndorf, S. König, D. Lechnitz, C. Weigel, G. Peschel, P. Berthel, M. Kaiser, C. Steinbeck, O. Werz, M. Poulsen, **C. Beemelmans**, Expanding the rubterolone family: Intrinsic reactivity and directed diversification of PKS-derived pyrans, *Chem. Eur. J.* **2018**, 24, 11319-11324.
- [7] M. Rischer, L. Raguz, H. Guo, F. Keiff, G. Diekert, T. Goris, **C. Beemelmans**, Biosynthesis, synthesis and activities of barnesin A, a NRPS-PKS hybrid produced by an anaerobic Epsilonproteobacterium, *ACS Chem. Biol.* **2018**, 13, 1990-1995.
- [8] H. Guo, R. Benndorf, D. Lechnitz, J. L. Klassen, J. Vollmers, H. Görls, M. Steinacker, C. Weigel, H. M. Dahse, A. K. Kaster, Z. W. de Beer, M. Poulsen, **C. Beemelmans**, Isolation, biosynthesis and chemical modifications of rubterolones A–F, rare tropolone alkaloids from *Actinomadura* sp. 5-2., *Chem Eur. J.* **2017**, 23, 9338-9345.
- [9] H. Guo, N. B. Kreuzenbeck, S. Otani, M. Garcia-Altare, H. M. Dahse, C. Weigel, D. K. Aanen, C. Hertweck, M. Poulsen, **C. Beemelmans**, Pseudoxylallemycins A-F, cyclic tetrapeptides with rare allenyl modifications isolated from *Pseudoxylaria* sp. X802: A competitor of fungus-growing termite cultivars, *Org. Lett.* **2016**, 18, 3338-3341.
- [10] A. M. Cantley, A. Woznica, **C. Beemelmans**, N. King, J. Clardy, Isolation and synthesis of a bacterially produced inhibitor of rosette development in choanoflagellates, *J. Am. Chem. Soc.* **2016**, 138, 4326-4329.