

# Felix Schalk

## Projects

**Former Projects**

Functional and genomic analysis of bacterial and fungal natural products derived from the fungus-growing termite
Details

**Publications**

Lee SR, Schalk F, Schwitalla JW, Guo H, Yu JS, Song M, Jung WH, de Beer ZW, Beemelmanns C, Kim KH (2022) GNPS-Guided Discovery of Madurastatin Siderophores from the Termite-Associated Actinomadura sp. RB99. *Chemistry* 28(36), e202200612. Details PubMed

Schalk F, Fricke J, Um S, Conlon BH, Maus H, Jäger N, Heinzel T, Schirmeister T, Poulsen M, Beemelmanns C (2021) GNPS-guided discovery of xylacremolide C and D, evaluation of their putative biosynthetic origin and bioactivity studies of xylacremolide A and B. *RSC Adv* 11(31), 18748-18756. Details PubMed

Schalk F, Gostinčar C, Kreuzenbeck NB, Conlon BH, Sommerwerk E, Rabe P, Burkhardt I, Krüger T,

Kniemeyer O, Brakhage AA, Gunde-Cimerman N, de Beer ZW, Dickschat JS, Poulsen M, Beemelmanns C (2021) The Termite Fungal Cultivar Termitomyces Combines Diverse Enzymes and Oxidative Reactions for Plant Biomass Conversion. *mBio* 12(3), e0355120. Details PubMed

Um S, Seibel E, Schalk F, Balluff S, Beemelmanns C (2021) Targeted Isolation of Saalfelduracin B-D from Amycolatopsis saalfeldensis Using LC-MS/MS-Based Molecular Networking. *J Nat Prod* 84(4), 1002-1011. Details PubMed

Rak Lee S, Schalk F, Schwitalla JW, Benndorf R, Vollmers J, Kaster AK, de Beer ZW, Park M, Ahn MJ, Jung WH, Beemelmanns C, Kim KH (2020) Polyhalogenation of Isoflavonoids by the Termite-Associated Actinomadura sp. RB99. *J Nat Prod* , Details PubMed

Schalk F, Um S, Guo H, Kreuzenbeck NB, Görls H, de Beer ZW, Beemelmanns C (2020) Targeted Discovery of Tetrapeptides and Cyclic Polyketide-Peptide Hybrids from a Fungal Antagonist of Farming Termites. *Chembiochem* , Details PubMed