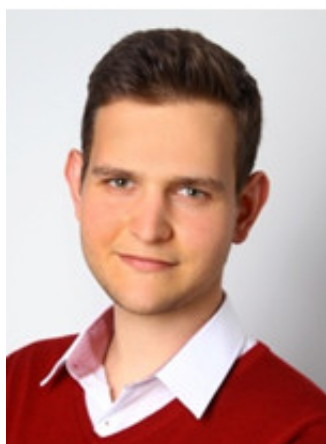




Jan Schwitalla

Projects

Current Projects

Metabolomic and transcriptomic analysis of the defensive role of Actinobacteria within the fungus-growing termite system

[Details](#)

Publications

Kreuzenbeck NB, Seibel E, Schwitalla JW, Fricke J, Conlon BH, Schmidt S, Hammerbacher A, Köllner TG, Poulsen M, Hoffmeister D, Beemelmans C (2022) Comparative Genomic and Metabolomic Analysis of Termitomyces Species Provides Insights into the Terpenome of the Fungal Cultivar and the Characteristic Odor of the Fungus Garden of Macrotermes natalensis Termites. *mSystems* , e0121421.

[Details](#) [PubMed](#)

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 Madurastatin Siderophores from the Termite-Associated Actinomadura sp. RB99. *Chemistry* 28(36), e202200612. [Details](#) [PubMed](#)

Benndorf R, Schwitalla JW, Martin K, de Beer ZW, Vollmers J, Kaster AK, Poulsen M, Beemelmans C (2020) *Nocardia macrotermidis* sp. nov. and *Nocardia aurantia* sp. nov., isolated from the gut of the fungus-growing termite *Macrotermes natalensis*. *Int J Syst Evol Microbiol* , [Details PubMed](#)

Guo H, Schwitalla JW, Benndorf R, Baunach M, Steinbeck C, Görls H, de Beer ZW, Regestein L, Beemelmans C (2020) Gene Cluster Activation in a Bacterial Symbiont Leads to Halogenated Angucyclic Maduralactomycins and Spirocyclic Actinospirols. *Org Lett* 22(7), 2634-2638. [Details PubMed](#)

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

Schwitalla JW, Benndorf R, Martin K, Vollmers J, Kaster AK, de Beer ZW, Poulsen M, Beemelmans C (2020) *Streptomyces smaragdinus* sp. nov., isolated from the gut of the fungus growing-termite *Macrotermes natalensis*. *Int J Syst Evol Microbiol* , [Details PubMed](#)