



Dr. Christine Beemelmans

Phone: +49 3641 532-1525 Email: christine.beemelmans@leibniz-hki.de Website: www.leibniz-hki.de/en/chemical-biology-of-microbe-host-interactions.html

Projects

Current Projects

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

[Details](#)

Structure elucidation of natural products inducing morphogenesis in marine organisms and analysis of their biosynthesis

[Details](#)

Studies of the biosynthetic potential of microbial symbionts of fungus-growing termites using *Amycolatopsis* M39 as model organism

[Details](#)

Organic synthetic method development and total synthesis of microbial derived natural products

[Details](#)

Former Projects

Investigation of secondary metabolites from insect-associated microbes and their contribution to insect

homeostasis and defense

[Details](#)

Exploitation and total synthesis of new microbial sphingolipid-type signaling molecules

[Details](#)

Modular synthetic approaches towards natural sphingoid base-type signaling molecules

[Details](#)

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

[Details](#)