



Florian Bredy

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PhD Project: “Cryptic Natural Products in Interactions of Anaerobic Bacteria”

Main Research Interests

- Biosynthesis of Secondary Metabolites from anaerobic Bacteria
- Heterologous Expression of Secondary Metabolism Genes from anaerobe Plant Pathogens

Methodological Experiences

- Cultivation of Anaerobes
- Molecular Cloning
- Chemical Analysis of culture extracts

Curriculum Vitae

- Since 06/2016 **PhD student at the HKI**
Supervisor: Prof. Dr. Christian Hertweck
- 10/2013-05/2016 **Master of Science Chemical Biology**
Friedrich Schiller University Jena
Master Thesis at the HKI,
Department of Biomolecular Chemistry
Supervisors: Prof. Dr. Christian Hertweck, Juniorprof. Dr. Severin Sasso
- 08/2015-05/2016 **Research Assistant**
HKI Jena, Department for Biomolecular Chemistry
- 10/2014-03/2015 **ERASMUS Research Stay**
University of Bergen, Norway, Centre for Geobiology
- 10/2013-05/2014 **Research Assistant**
HKI Jena, Department of Infection Biology



- 05/2013-09/2013 **Research Assistant**
MPI CE Jena, Department of Biochemistry
- 12/2011-06/2012 **Research Assistant**
Max Planck Institute for Chemical Ecology (MPI CE) Jena,
Department of Entomology
- 10/2010-09/2013 **Bachelor of Science Biochemistry/Molecularbiology**
Friedrich Schiller University Jena,
Bachelor Thesis at the Leibniz Institute for Natural Product
Research and Infection Biology - Hans-Knöll-Institute
(HKI) -
Department of Infection Biology
Supervisors:
Prof. Dr. Christine Skerka, Dr. Hans-Martin Dahse
- 09/2009-12/2009 **Tryout Semester Bachelor of Science**
Agricultural Biology
University of Hohenheim

Publications

Peer-reviewed original papers

- Roalkvam, I., **Bredy, F.**, Baumberger, T., Pedersen, R.B., Steen, I.H. (2015)
Hypnocyclicus thermotrophus gen. nov., spec. nov. isolated from a microbial
mat in a hydrothermal vent field. *International Journal of Systematic and
Evolutionary Microbiology*, 65, 4521-4525.