

Hagen Andert
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CURRICULUM VITAE

SCIENTIFIC EDUCATION

April 2014 - ongoing **Ph.D. thesis**

A particular focus of my project is the study of migration and colonization of arthropods over time and space on experimental islands in a marine-terrestrial environment near the island of Spiekeroog (East Frisian Islands) in the context of biodiversity functioning across marine and terrestrial ecosystem functioning (BEFmate). In addition, I will study associated ecosystem processes (e.g. herbivory, predation) over the course of vegetation succession in nature as well as in the laboratory via a tide-dependent plant system.

(Faculty Advisor: Prof. Dr. Teja Tscharntke, Dr. Christoph Scherber, Georg August Universität Göttingen, Germany)

October 2013 **Master of Science**

Thesis: „Epilepsy-induced granule cell migration depends on the Reelin signaling pathway: evidence from studies in Reelin deficient mice”

(Faculty Advisor: Professor Dr. Wolfgang Driever, Freiburg im Breisgau, Germany)

September 2011 **Bachelor of Science**

Thesis: “Comparative studies on the surface chemistry of several *Nomada*-species and their hosts” *(Faculty Advisor: Dr. Thomas Schmitt, Freiburg im Breisgau, Germany)*

EQUIPMENT & LABORATORY SKILLS

Cladistic analysis, collection of insects, cultivation of human pluripotent stem cells, cultivation of organotypic hippocampal slice cultures, determination of insects, DNA-Isolation, extraction of cuticular hydrocarbons, fluorescence microscopy, immunocytochemistry, life cell imaging, Mass Spectrometry, organization of exhibitions, PCR, perfusion of mice, preparation of insects, qRT-PCR, reconstruction of neuronal cells via camera lucida, REM microscopy, RNA-Isolation, writing skills

SCIENTIFIC INTERNSHIPS

October 2013 **Internship at University of Freiburg (Prof. Judith Korb)**

*Influence of the Juvenile hormone on the aging related gene expression in neotenic workers of the drywood termite *Cryptotermes secundus**

November – December 2012 **Internship at University of Freiburg (Dr. Jan Pruszek)**

Development of neural rosettes from human pluripotent stem cells

Hagen Andert

- December 2010 – July 2011 **Worker at University of Freiburg (Dr. Thomas Schmitt)**
Determination and Extraction of European bees
- October 2008 **Internship at the SMNK Karlsruhe (Dr. Manfred Verhaagh)**
Determination and Collection work in the collection of Hymenoptera
- September 2008 **Internship at the SMNS Stuttgart (Dr. Lars Krogmann)**
Determination and preparation of family of Pteromalidae and bees
- August 2008 **Internship at the Museum of Wiesbaden (Fritz Geller-Grimm)**
Revision of the collection of Philipp Adolph Schenck
- August 2007 **Internship at the SMND Dresden (Dr. Matthias Nuss)**
Revision of European Geometridae, cladistic analysis of Megachile
- 2007 **Internship on the REM-microscope of the SMNG Görlitz (Dr. Jürgen Schulz)**
- 2002 – 2008 **Temporary worker at the SMNG Görlitz (Rolf Franke, Dr. Bernhard Seifert)**
Assistance in collection work and determination of European insects

PUBLICATIONS

ANDERT, H. (2010): Hymenoptera-type material of Philipp Adolph SCHENCK in the Natural History Collection of the Museum Wiesbaden, bembix 30, p. 2-11

INVITED TALKS

15th September, 2014 **BION Alumni Seminar:**
The BEFmate project (together with Dr. Patrick WEIGELT, University of Göttingen), Göttingen

CAMPUS EXPERIENCE

2010 – 2013 **Mentor of internships at the University of Freiburg**
Performance physiology, Zoological field trips, Neuroscience – The Basics, Anatomy of invertebrates, Determination of invertebrates

LANGUAGE SKILLS

First language German
Second language English
Third language Latin (minor degree)