

Curriculum Vitae

Janina Diehl

17.12.1988

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Education

- 2018 – present **Dr. rer. nat.**
Julius-Maximilians-University Würzburg
Department of Animal Ecology & Tropical Biology (Zoology III)
Thesis Title: Ecology and Evolution of Symbiont Management in
Ambrosia Beetles
- 2014 – 03/2016 **M. Sc. Biology**
Johannes Gutenberg-University, Mainz
Elective courses in “Ecology” and in “Neural Basis and Neurobiology
of Behavior”
Thesis Title: Social immunity in *Forficula auricularia*: pathogen
avoidance and behavioral changes in females at egg-laying and
during pre-hatching care (1.1)
Degree: 1.2
- 2011 – 2014 **B. Sc. Biology**
Johannes Gutenberg-University, Mainz
Elective courses in “Molecular Biology” and in “Evolution and
Behavioral Ecology of Animals”
Thesis Title: The role of frass in nymphs of the European earwig
(*Forficula auricularia*) (1.0)
Degree: 1.8
- 2008 – 2011 **Medical Technical Laboratory Assistant (MTAL)**
**State-recognized institute for medical-technical laboratory
assistants, Mainz**
Majors in Haematology, Histology, Microbiology and Clinical
Chemistry
Degree: 2.5
- 1999- 2008 **Abitur**
Theresianum (high school), Mainz
Majors: English, Biology and History
Degree: 2.5

Work Experience

- 02/2017 – 12/2017 **Student assistant, Johannes Gutenberg-University, Mainz, Department of Behavioral Ecology and Social Evolution**
- teaching assistant for the module „Evolution and behavioral ecology of animals“
 - research assistant: assistance in animal rearing (ants)
- 04/2014 – 11/2016 **Student assistant, Johannes Gutenberg-University, Mainz, Department of Behavioral Ecology and Social Evolution**
- teaching assistant for the zoological identification course and module „Evolution and Behavioral Ecology of Animals“
 - research assistant: assistance in animal rearing (ants and earwigs), marking of ants with metal wire and testing
 - secretary assistant: organising department library and labeling bachelor, Master and PhD theses
- 12/2012 – 06/2014 **Student laboratory assistant, Labor Mainz MVZ GmbH, Department of Microbiology**
- sample incoming examination
 - application of patient material for the sector of Varia, Urines, Mycology and Faeces
 - operation of in-house laboratory software
- 04/ - 11/2012 **Employee at Hotel Austria (now Guesthouse Mainz), Mainz**
- preparation and run of breakfast buffet
 - check-in/-out of guests
 - calculate daily balance
 - taking reservations
 - arrange room service and check rooms
- 02/2010 – 12/2010 **Nursing auxiliary, Universitätsmedizin, Mainz Department of Otorhinolaryngology**
- run errands, transporting patients
 - assisting patients with basic personal care
 - assisting nurses with treatment care

Skills

- Lab work:
- **microbiology:** bacterial and fungal cultivation, inhibition zone measurements (agar diffusion assay), spore count
 - **ethology and behavioral ecology:** behavioral analysis technics (scan sampling, video analysis, behavioral tests)

- **insect breeding and maintenance**
- **cross-breeding of mutated flies (*Drosophila melanogaster*), with temperature knock-down of mutation**
- **morphometric measurements:** geometric (damselflies), size and weight measuring (earwigs)
- **molecular biology:** DNA & RNA extraction (total nucleic acids purification protocol for tissue samples), PCR, Agarose gel electrophoresis, analysis with QIIME

Field work: - insect sampling (earwigs and ants)
 - arthropods/insects determination
 - behavioral observations

Languages: - German, native speaker
 - English, fluently
 - French: basic
 - Latin: advanced Latinum qualification

Computer: - MS Office (Word, Power-Point, Excel, Outlook), advanced skills
 - Photoshop, basic skills
 - Gimp, basic skills
 - ImageJ, measurements of walking distances
 - R (statistic program), basic skills (GLM, ANOVA, MANOVA, chi-squared test, Wilcoxon test, Welch two sample t-test, Mann Whitney U test)
 - Morphometrics (tpsUtil, tpsDig2, IMP), basic skills
 - Leica Application Suite, basic skills (measurements and counts)
 - The Observer XT11 (Noldus), video analysis of behavioral traits

Publications

Diehl, JMC and Meunier J. Surrounding pathogens shape maternal investment into egg care but not egg production in the European earwig. *Behavioral Ecology*, in press

Kramer, J; Körner, M; **Diehl, J**; Scheiner, C; Yüksel-Dadak, A; Christl, T; Kohlmeier, P; Meunier, J (2017). When earwig mothers do not care to share: parent-offspring competition and the evolution of family life. *Functional Ecology*.

Körner, M, **Diehl, JMC** and Meunier, J (2016). Growing up with feces: benefits of allo-coprophagy in families of the European earwig. *Behavioral Ecology*, 27 (6): 1775-1781.

Diehl, J, Körner, M, Pietsch, M and Meunier, J (2015). Feces production as a form of social immunity in an insect with facultative maternal care. *BMC Evolutionary Biology*.15, 40