

# Emanuel G. Heitlinger

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Born September, 12th 1980 in Schwäbisch Gmünd,  
Germany

## Education

2008-2012 Doctoral studies, Karlsruhe Institute of Technology and University of Edinburgh.

Dissertation: Divergence of an introduced population of the swimbladder-nematode *Anguillicola crassus* - a transcriptomic perspective.

Supervisors: Prof. Dr. Horst Taraschewski and Prof. Mark Blaxter.

2007-2008 Work on diploma thesis, University of Karlsruhe, Zoological Institute, Department for Parasitology and Ecology.

Thesis title: Vergleichende licht- und elektronenmikroskopische Untersuchungen am Intestinaltrakt des invasiven Schwimmbblasennematoden *Anguillicola crassus* aus verschiedenen Aalarten.

2001-2007 Undergraduate studies in Biology, University of Karlsruhe.

Main subject: Zoology

Subsidiary subjects: Genetics, Botany

1991-2000 Secondary school, Privat-Gymnasium St.Paulusheim Bruchsal.

1987-1991 Primary school, Kraichtal Oberöwisheim.

## Employment

2011-ongoing Postdoctoral Researcher, Humboldt University Berlin, Institute for Biology, Department for Molecular Parasitology.

2008-2011 Research assistant, Karlsruhe Institute of Technology, Zoological Institute, Department for Parasitology and Ecology.

2000-2001 Alternative military service, youth centre Bruchsal.

## Computer skills

### Programming languages

R: Expert level

Shell: Expert level

Perl: Advanced level

Lisp: Advanced level

Python: Intermediate level

C/C++: Beginner level

## Tools and Systems

SQL Databases: MySQL, PostgreSQL, SQLite

Markup languages: L<sup>A</sup>T<sub>E</sub>X, Html, Sweave

Emacs editor

Linux system administration

## Fields of Research Interest

Ecology and evolution of host-parasite interactions, transcriptomics, genomics

## Research

### Peer Reviewed Publications

Dominik R Laetsch, Emanuel G Heitlinger, Horst Taraschewski, Steven A Nadler and Mark L Blaxter (2012)  
The phylogenetics of Anguillicolidae (Nematoda: Anguillicolidea), swimbladder parasites of eels. under review  
BMC Evolutionary Biology.

Emanuel G Heitlinger, Dominik R Laetsch, Urszula Weclawski, Yu-San Han and Horst Taraschewski (2009)  
Massive encapsulation of larval Anguillicoloides crassus in the intestinal wall of Japanese eels. Parasites & Vectors, 2:48.

### Conference Presentations

3rd Status Symposium, Volkswagen Foundation Funding Initiative Evolutionary Biology, November 7-11 2011, Sylt, Germany. Oral presentation: "Divergence of an introduced parasite: a transcriptomic perspective on Anguillicola crassus".

2nd Status Symposium, Volkswagen Foundation Funding Initiative Evolutionary Biology, May 9-12 2010, Frauenchiemsee, Germany. Oral presentation: "The transcriptome of Anguillicoloides crassus sampled by pyrosequencing".

24th Biannual conference of the German society of parasitology (DGP), March 16-19 2010, Münster, Germany. Two oral presentations: "The transcriptome of Anguillicoloides crassus sampled by pyrosequencing" and "Massive encapsulation of larval Anguillicoloides crassus in the intestinal wall of the Japanese eel".

Mind the gap: joining empirical and theoretical population genetics, October 2-3 2009, Freiburg, Germany. Oral Presentation: "Divergence between European and Asian populations of the swimbladder nematode Anguillicoloides crassus".

1st Status Symposium, Volkswagen Foundation Funding Initiative Evolutionary Biology, February 25-27 2009, Münster, Germany. Poster: "Divergence between East Asian and European populations of the swimbladder-nematode Anguillicola crassus".

Xth European Multicolloquium of Parasitology - EMOP 10, August 24-28, 2008, Paris, France. Oral Presentation: "Divergence between East Asian and European populations of the swimbladder-nematode Anguillicola crassus".

## Honors, Awards, & Fellowships

2008 Volkswagen Stiftung PhD Fellowship, Funding Initiative Evolutionary Biology, full funding of research position and research material

Last updated: April 10, 2012