

Emanuel Heitlinger

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Born September, 12th 1980 in Schwäbisch Gmünd,
Germany

Education

Jun 2008 - Feb 2012 Doctoral studies, Karlsruhe Institute of Technology.

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

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

Jun 2007 - Feb 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

March 2012 - now Postdoctoral researcher, Humboldt University of Berlin, Institute for Biology, Department for Molecular Parasitology.

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

2000-2001 Alternative military service, youth centre Bruchsal.

Fields of Research Interest

Ecology and evolution of host-parasite interactions, transcriptomics, genomics; see detailed description on previous pages.

Research

Peer Reviewed Publications

Urszula Weclawski, Emanuel Heitlinger, Tobias Baust, Bernhard Klar, Trevor Petney, Yu San Han and Horst Taraschewski (2013) Evolutionary divergence of the swim bladder nematode *Anguillicola crassus* after colonization of a novel host, *Anguilla anguilla*. BMC Evolutionary Biology, 13:78.

Emanuel Heitlinger, Stephen Bridgett, Anna Montazam, Horst Taraschewski and Mark L Blaxter (2013) The transcriptome of the invasive eel swimbladder nematode parasite *Anguillicola crassus* BMC Genomics, 14:87.

Dominik R Laetsch, Emanuel Heitlinger, Horst Taraschewski, Steven A Nadler and Mark L Blaxter (2012) The phylogenetics of *Anguillicolidae* (Nematoda: *Anguillicolidea*), swimbladder parasites of eels. BMC Evolutionary Biology, 12:60.

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

25th Biannual conference of the German society of parasitology (DGP), March 14-17 2012, Heidelberg, Germany. Oral presentation: "Divergence of an introduced population of *Anguillicola crassus* a transcriptomic perspective".

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 Multicollloquium 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*".

Professional Activities

Reviewer for:
The Journal of Parasitology
Parasitology research

Teaching and Advising

Diploma Students (informal advisor):
Dominik Laetsch (2010)
Corinna Kieffer (2011)

Support for ZIBI International Summer School on Pathogen-Host Interplay (2012)

Honors, Awards, & Fellowships

2008 Volkswagen Stiftung PhD Fellowship, Funding Initiative Evolutionary Biology, full funding of research position and research material (€131k)

Last updated: April 11, 2013