

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 Schwimmblasennematoden *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, 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: *Anguillicolidae*), 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

Advising

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

Teaching

Support for ZIBI International Summer School on Pathogen-Host Interplay (2012)
Oberseminar Parasitologie (2012 and 2013)

Honors, Awards, & Fellowships

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