

# Konrad Christoph Lipkowski

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## Current research position

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July 2018 – present  
**PhD Student in chemical communication in tadpoles** at the J.W. Goethe University of Frankfurt am Main, Department of Wildlife-/Zoo-Animal-Biology and Systematics (WZS)  
Supervisor: Jun. Prof. Dr. Lisa Maria Schulte

## Academic degrees

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October 2012 – November 2015  
**M.Sc. Ecology and Evolution**  
J.W Goethe University  
Overall average grade “very good” (1.2)  
**Thesis:**  
“Die Auswirkung sexueller Selektion auf die Merkmalsevolution in Amphipodenpopulationen niedriger und hoher Dichte”.  
Grade: “very good” (1.3)

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October 2009 – September 2012  
**B.Sc. Biosciences**  
J.W Goethe University  
Overall average grade: “good” (1.8)  
**Thesis:**  
“Sexualdimorphismus morphologischer Merkmale beim invasiven Amphipoden *Dikerogammarus villosus*”.  
Grade: “good” (1.7)

## Research assistant activities and field trips

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November 2015 – December 2017  
**Research assistant** at Senckenberg research institute in Frankfurt am Main, Department of Terrestrial Zoology (Entomology III).  
Project: “Naturwaldreservate”. Zoological research in forest reserves. Identification of specimens from selected groups including Mollusca, Nematelminthes, Annelida, Arachnoidea, Crustacea, Myriapoda, Insecta, Amphibia, Reptilia and Mammalia.  
Management of extensive invertebrate catches. Literature research.  
Assisting relocation of extensive museum material and collections.

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April 2014  
**Research excursion** to Tabasco, Mexico with the Department of Evolutionary Ecology at J.W. Goethe University.  
Projects on gradient evolution and prezygotische Isolation in extremophile fish from sulfidic rivers and caves. Collecting samples for lab rearing purpose and analysis (genetic, life-history, color and morphometric analysis) as well as conducting behavioral field experiments (mate choice, animal personality, behavioral syndromes, network analysis and predator-prey interactions).

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July 2014	<b>Marine ecology/ biodiversity excursion</b> to Wilhelmshaven and Helgoland, Germany with the Department of Marine Zoology at Senckenberg research institute in Frankfurt am Main (2 weeks). Capture, identification and archiving of animal wildlife.
August 2011	<b>Marine ecology/ biodiversity excursion</b> to Rovinj, Croatia with the Department of Marine Zoology at Senckenberg research institute in Frankfurt am Main (2 weeks). Capture, identification and archiving of animal wildlife.
August 2013	<b>Biodiversity excursion</b> to Ecuador including Galapagos Islands with the Department of Didactics at the J.W. Goethe University (1 month). Studying wildlife and ecosystems

### Teaching experience (graduate level)

July 2018 – ongoing	<b>Course instructor</b> (Bachelor program) in the practical course: - <i>Diversity of Organisms (Animals; in summer semester)</i> , at J.W. Goethe University of Frankfurt
April 2012 – February 2018	<b>Tutor</b> in the practical courses (Bachelor program): - <i>Structure and Function of Organisms</i> (winter sem. / yr.), - <i>Diversity of Organisms (Plants, Fungi and Animals</i> (summer sem. /yr.), - <i>Animal Physiology</i> (summer sem. in 2012), at J.W. Goethe University of Frankfurt.

### Co-supervision of Bachelor and Master candidates

	<b>Sophie Steigerwald</b> (Master) “Comparative effects of population parameters on trait evolution in amphipods” (ongoing)
2019	<b>Hanna Bartonek</b> (Bachelor) “Histologische und verhaltens Untersuchung zur Produktion und Nutzen von chemischen Substanzen in Kaulquappen der Erdkröte <i>Bufo bufo</i> und Grasfrosch <i>Rana temporaria</i> “ (ongoing)

### Institutional responsibilities

June 2019 – present	<b>Member of the directorate of the institute of Ecology, Evolution and Diversity</b> at the J.W. Goethe University  <b>Member of the Appointment Commission of the Professorship (W3) for "Genomic Biomonitoring"</b> at J.W. Goethe University
October 2011 – March 2016	<b>Member of the student biology council</b> of the department “Biosciences” at J.W. Goethe University. <b>Student representative</b> in: -Faculty council of the department of Biosciences (15), -Directorate of the Institute for Ecology, Evolution & Diversity, -Examination Board Bsc. Biosciences, -Examination Board Msc. Ecology and Evolution.

## Publications (peer-reviewed)

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2019 **Lipkowski K**, Plath M, Klaus S, Sommer-Trembo C (2019) "Population density affects male mate choosiness and morphology in the mate-guarding amphipod *Gammarus roeselii* (Crustacea: Amphipoda)" *Biological Journal of the Linnean Society* 126(4):899-911 Featured i.a.by: (1) Choosy amphipods: males are extremely faithful to their mates <https://www.sciencedaily.com/releases/2019/02/190207111306.htm> [02/07/19]; (2) Wählerische Bachflohkrebse <https://www.vbio.de/aktuelles/wissenschaft/waehlerische-bachflohkrebse/> [02/07/19]; (3) Ihrer Erwählten bleiben die Tierchen meistens treu. *Frankfurter Wochenblatt* [02/13/19] (4) Mangels Masse treu. *Natur* [05/19]

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2012 Chen W, **Lipkowski K**, Jourdan J, Plath M, Streit B, Klaus S (2012) "*Dikerogammarus haemobaphes* in the River Lahn, Germany, with notes on the dynamics of Amphipoda assemblages ". *Lauterbornia* 75: 87-93.

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## Manuscripts in preparation

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**Lipkowski K**, Schulte LM. "*Chemical communication in tadpole anti-predator strategies. A review and prospectus*" (for submission to *Ecology and Evolution*)

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## Conference contributions

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2015 **Konrad Lipkowski**, Martin Plath & Sebastian Klaus (2015) "*Choosy males: Partnerwahl bei Amphipoden in Abhängigkeit der Populationsdichte (Amphipoda: Gammaridae: *Gammarus roeselii*)*". Oral presentation at the 17<sup>th</sup> Crustacea conference, Bremerhaven, Germany, 26-29/03/2015.

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2013 Wei Chen, Geza Tuschinsky, Jonas Jourdan, **Konrad Lipkowski**, Bruno Streit, Martin Plath & Sebastian Klaus (2013) "Invasion front dynamics: Spatial and temporal assemblage patterns of native and invasive amphipods in the river Lahn, Germany". Poster at the 16<sup>th</sup> Crustacea conference, Greifswald, Germany, 14-17/03/2013.

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## Other working experiences and skills

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January 2018 – ongoing **Paramedic** in the emergency medical service for the "Malteser Hilfsdienst" in Frankfurt am Main, Germany

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**Reviewer activity** (scientific journals): *Amphibia Reptilia* (AMRE)

**Language skills**: German (native), Polish (native), English (fluid)

**Open water diver license**

*Academic References (contact addresses) for questions on past work stations*

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For current position	Prof. Dr. Lisa Maria Schulte Department of Wildlife-/Zoo-Animal-Biology and Systematics (WZS), Johann Wolfgang Goethe-University Germany, Hesse E:Schulte@bio.uni-frankfurt.de
For Master thesis period	Prof. Dr. Martin Plath College of Animal Science and Technology, Northwest A&F University, Yangling, Shaanxi 712100, P.R. China E: mplath-zoology@foxmail.com

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