

## Research interest

The crustacean perspective on the origins of the abyssal biodiversity

## Fields of work

Deep-sea research, phylogenetic systematics, taxonomy, biogeography, DNA barcoding, molekular genetics, morphology, ecology, habitat mapping, systematics of Janiroidea (Crustacea, Isopoda)

## Employments and research experience

- Since 2017     Researcher (tenure track) and deputy head of Section Crustacea  
                  Senckenberg Research Institute and Natural History Museum, Frankfurt am Main,  
                  Marine Zoology Department
- Since 2018     Associated Scientist, University of Hamburg, CeNak
- Since 2018     Guest fellow, Goethe University, Frankfurt am Main, Biological Science Department,
- 2014–2017     Post-Doc, University of Hamburg, Centre for Natural History (CeNak), Vema-TRANSIT  
                  and KuramBio II funded by the German Federal Ministry for Education and Research
- 2016–2017     Post-Doctoral fellow, Ghent University, Marine Biology Department
- 2014–2015     Freiberufliche Lehre, Zoologische Exkursion für Lehramt nach Klint, University Hamburg,  
                  Biozentrum Grindel
- 2009–2017     Freelance ornithologist, taxonomist and university teacher
- 2014            Research assistant, Senckenberg, German Centre for Marine Biodiversity Research  
                  (DZMB) for taxonomic identifications
- 2010 & 2009   Research associate, Senckenberg, DZMB for DNA analyses
- 2006–2009     Student assistant, University of Hamburg, and DZMB for sample sorting

## Educational background and degrees

- Since 2017     Habilitation, Goethe University Frankfurt
- 2009–2014     Dr. rer. nat. (German equivalent to a Ph.D.) “with highest distinction” summa cum laude,  
                  University of Hamburg
- 2008–2009     Diploma thesis (German equivalent to Master thesis), University of Hamburg
- 2003–2009     Studies in Biology, University of Hamburg. Majors: Systematic Zoology, Hydrobiology &  
                  Fisheries Research

### Reviewing activity

Since 2020	National Science Centre Poland
Since 2019	SYNTHESSYS+ Taxonomic Exchange Program Progress in Oceanography PeerJ
Since 2018	Marine Biodiversity
Since 2017	Arthropod Systematics and Phylogeny Zoologica Scripta Journal of Crustacean Biology
Since 2016	Molecular Ecology
Since 2015	Marine Biology Research Organisms, Diversity and Evolution
Since 2014	Polish Polar Research Zootaxa Deep Sea Research Part II: Topical Studies in Oceanography Raffles Bulletin of Zoology
Since 2013	Zoomorphology Zookeys
Since 2012	Journal for Zoological Systematics and Evolutionary Research

### Teaching experience

Since 2018	Master module Evo-11 Integrative Biodiversitätsforschung in der Zoologie, Goethe-University Frankfurt
Since 2018	Bachelor module 6b, Diversität der Organismen, Goethe-University Frankfurt
2015	Seminar and practical Digital taxonomic drawing, Senckenberg am Meer
2015	Practical EMBC spring school, Tjärnö station (Uni Göteborg, Sweden)
2014–2015	Zoological excursion Kategorie I “Am Klint“ für Lehrämter (LA2) (University Hamburg)
2010–2013	Practical “From Determination to Description“, digital inking
2008–2010	Research diving, assistant instructor
2008	Practical Wadden Sea ecology, student assistant
2007	Zoological excursion, student assistant

### Editorials

Since 2019	Co-Editor: Arthropod Systematics & Phylogeny
2018–2020	Guest editor: Progress in Oceanography, KuramBio II special issue
2016–2018	Guest editor: Deep Sea Research Part II, Vema-TRANSIT special issue

### Fellowships and awards

- 2020-2026 Johanna Quandt Young Academy Fellowship
- 2018 Goethe Research Academy for Early Career Researchers (GRADE)– Program Focus A|B
- 2017 Datz Foundation – workshop funding
- 2011–2012 Studienstiftung des deutschen Volkes — PhD fellowship and 2 travel grants
- 2012 IceAGE Workshop grant
- 2012 Australian Museum GEDDES Visiting Research Fellowship
- 2011 GfBS Konferenz stipend
- 2007–2011 6 travel grants to Iceland, USA, Malaysia and Australia
- 2009 The Crustacean Society – Student poster award

### Field work

- 2016 R/V Sonne (SO250), deep-sea expedition “KuramBio II” – Northwest Pacific
- 2014 R/V Sonne (SO237), deep-sea expedition “Vema-TRANSIT” – North Atlantic
- 2014 POLYSKAG, sampling G.O. Sars’ type localities in the Oslo Fjord with R/V Bjørn Føyn
- 2012 R/V Sonne (SO223), deep-sea expedition “KuramBio” – North Pacific
- 2011 R/V Meteor (Me85-3), deep-sea expedition “IceAGE” – North Atlantic
- 2010 R/V Akademik M.A. Lavrentyev (Lv-51), deep-sea expedition „SoJaBio“ – Sea of Japan
- 2009 R/V Meteor (Me79-1), deep-sea expedition “DIVA3” – Southwest Atlantic
- 2008 Kornati National Park, Croatia, SCUBA sampling and under-water photography
- 2007–2008 R/V Polarstern (ANTXXIV-2), deep-sea expedition “ANDEEP-SYSTCO” – Southern Ocean
- 2007 Kubah & Gunung Mulu Nationalparks, Malaysia, herpetological expedition; project “Tadpoles of Borneo”
- 2007 FS Alkor (AL 300), North Sea expedition

### Organisation of meetings and workshops

- 2019 Leading organisation of mini-symposium and workshop “Deep-Sea Taxonomy under Pressure”
- 2019 Organisation of cLSM training
- 2019 Leading organisation (with others) of a workshop on “Temporal and spatial GEOBIODIVERSITY patterns and dynamics in the Sahelian upwelling region — from the Sahara desert to the abyssal plain: what are the drivers, what are the consequences?”

### Research visits

2018	Gent University, Belgium
2015–2017	Gent University, Belgium (regular stays ca. every 2 months)
2011–2013	Australian Museum, Sydney, Australia
2012	NIWA, Wellington, New Zealand
2010 & 2011	University of Iceland, Reykjavík, Iceland
2009 & 2009	Smithsonian NMNH, Washington D.C., USA
2009	American Museum of Natural History, New York City, USA
2008	British Antarctic Survey, Cambridge, UK

### Conceptualization of museum exhibits

2019	Scientific advisor for whale-fall exhibit
Since 2018	Conceptualization of coral-reef exhibit
Since 2018	Conceptualization of deep-sea exhibit

### Memberships

- Johanna Quandt Young Academy
- Junge Akademie | Akademie der Wissenschaften und der Literatur Mainz
- Senckenberg Gesellschaft für Naturforschung
- Deep-Sea Biology Society
- The Willi Hennig Society
- The Crustacean Society
- Gesellschaft für Biologische Systematik (GfBS)
- Junge Systematiker (JuSys)