

CV

Dr. Torben Riehl

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Research interest

The crustacean perspective on the origins of the abyssal biodiversity

Fields of work

Deep-sea biodiversity research, phylogenetic systematics, taxonomy, evolution of the Janiroidea

Employments and research experience

- Since 2021 Research scientists and deputy head of Section Crustacea
Senckenberg Research Institute and Natural History Museum, Frankfurt am Main,
Marine Zoology Department
Co-chair Senckenberg Ocean Species Alliance (SOSA)
- Since 2018 Guest fellow, Goethe University, Frankfurt am Main, Biological Science Department
- 2017–2020 Researcher (PostDoc, tenure track) and deputy head of Section Crustacea
Senckenberg Research Institute and Natural History Museum, Frankfurt
- 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 Freelance teaching, zoological excursions, University Hamburg
- 2009–2017 Freelance ornithologist, taxonomist and university teacher
- 2014 Research assistant, Senckenberg DZMB
- 2010 & 2009 Research associate, Senckenberg DZMB
- 2006–2009 Student assistant, University of Hamburg and Senckenberg DZMB

Educational background and degrees

- Since 2017 Habilitation, Goethe University Frankfurt
- 2009–2014 Dr. rer. nat. (German equivalent to a Ph.D.) “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

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Editorials

- Since 2021 Subject-Editor Isopoda: Zootaxa
- Since 2019 Co-Editor: Arthropod Systematics & Phylogeny
- Since 2020 Guest editor: Frontiers in Marine Science, Deep-sea Taxonomy article collection
- 2018–2020 Guest editor: Progress in Oceanography, KuramBio II special issue
- 2016–2018 Guest editor: Deep Sea Research Part II, Vema-TRANSIT special issue

Reviewing activity

- Since 2020 National Science Centre Poland
- Since 2019 SYNTHESYS+ 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 biodiversity research in zoology”, Goethe-University
- Since 2018 Bachelor module 6b “Diversity of the organisms”, Goethe-University Frankfurt
- 2015 Seminar and practical “digital taxonomic drawing”, Senckenberg am Meer
- 2015 Practical EMBC spring school, Tjärnö station, University Göteborg, Sweden
- 2014–2015 Zoological excursion Kategorie I, Hamburg University
- 2010–2013 Practical “From Determination to Description”, digital inking, Hamburg University
- 2008–2010 Research diving, assistant instructor
- 2008 Practical Wadden Sea ecology, student assistant
- 2007 Zoological excursion, student assistant

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Research funding acquired

- 2021 Cruise proposal GPF 21-1_060, RUBBLE (Rocky seafloor—Underestimated driver for Benthic Biodiversity Living in the abyss and its Evolution)
- 2021 Fund raising: SOSA (Senckenberg Ocean Species Alliance)
- 2019 Cruise proposal GPF 19-2_069, BEDROCK (Benthos Diversity and habitat structure caused by abyssal hard ROCK)

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 Conference stipend
- 2007–2011 6 travel grants to Iceland, USA, Malaysia and Australia
- 2009 The Crustacean Society – Student poster award

Field work

- upcoming R/V Meteor (MeXXX), deep-sea expedition “RUBBLE” – North Atlantic
- upcoming R/V Sonne (SO293), deep-sea expedition “AleutBio” – North Pacific
- 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 “Tadpoles of Borneo”
- 2007 FS Alkor (AL 300), North Sea expedition

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Organisation of meetings and workshops

- 2019 Leading organisation of 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

- 2017–2019 Scientific advisor for permanent exhibition “Deep Sea”, Senckenbergmuseum Frankfurt

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)