

Curriculum Vitae

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Current position

Research group leader in the Emmy Noether programme of the DFG (German Research Foundation), Senckenberg Biodiversity and Climate Research Centre & Goethe-University Frankfurt, since July 2014

Professional employment history and higher education

Apr 2011 – June 2014	Postdoctoral researcher at the Biodiversity and Climate Research Centre (BiK-F) & Senckenberg Gesellschaft für Naturforschung, Frankfurt, Germany
Apr 2009 – Mar 2011	Postdoctoral researcher within the cross-disciplinary Programme of Excellence at the Center for Macroecology, Evolution and Climate, Department of Biology, Copenhagen University, Denmark
01/08/2009	PhD degree, Imperial College London, UK
Feb 2006 – Jan 2009	Marie Curie Early-Stage Researcher at Imperial College London, UK PhD thesis “Comparative analyses of extinction risk in vertebrates”
12/09/2005	Diplom in Biology, Eberhard Karls University Tübingen, Germany
Nov 2004 – Aug 2005	Diplom thesis “Predator-induced plasticity in the development of morphological and behavioural characteristics in tadpoles of the neotropical frog species, <i>Hyla minuta</i> and <i>Physalaemus lisei</i> – a case study in the araucaria forest preserve Pró-Mata, Rio Grande do Sul, Brazil”
Sept 1999 – Sept 2005	Student of biology at Eberhard Karls University Tübingen, Germany including an exchange year at the University of Aberdeen, UK main subject: zoology; additional subjects: palaeontology, molecular cell biology, animal physiology

Undergraduate employment

Sept 2005 - Jan 2006	office assistant in the Brazil Centre Baden-Württemberg, Eberhard Karls University Tübingen
Oct 2003 - Oct 2004, May 2001 - Aug 2002	undergraduate research assistant at the Institute for Geosciences, Eberhard Karls University Tübingen

Grants

2019 – 2024	Leibniz competition 2018 (Leibniz Association) funding for a professorship “Geobiodiversity: assessing the impacts of mountain building and climate change on evolution and ecology of mammals and birds” Principal investigator, P52/2017, € 857.228
2014 – 2019	DFG (German Research Foundation) funding for Emmy Noether research group “Macroevolution of climatic niches in birds” Principal investigator, FR 3246/2-1, € 811.650
2011	DFG (German Research Foundation) funding for 6 th annual meeting of the specialist group for macroecology of the Ecological Society of Germany, Austria and Switzerland (Gesellschaft für Ökologie, GfÖ) Principal investigator, FR 3246/1-1, € 4.752
2004	Personal grant for the promotion of undergraduate studies abroad, awarded by the University of Tübingen for the state of Baden-Württemberg, to fund field work for the Diplom thesis in Brazil

Host to international research projects

Sept 2018 – Sept 2019	Host to a PhD student at Olomouc University, Czech Republic (stipend from EU, Support of Academic Mobility)
Nov 2015 – Jan 2019	Host to a postdoctoral fellow, Alexander von Humboldt Foundation
Oct – Dec 2016	Host to a PhD student at Universidad Complutense de Madrid (stipend from Spanish Government)

Participation in international working groups

2013 – 2018	sDiv (Synthesis Centre for Biodiversity Sciences) working groups, German Centre for Integrative Biodiversity Research (iDiv), Leipzig, Germany: <ul style="list-style-type: none">• Explaining the Latitudinal Diversity Gradient (sELDIG)• Toward a consensus on the factors that structure broad-extent geographic variation in species richness (sRichGrad)• Integrating phylogenies, fossils, and Earth System dynamics (sFossil)• Synthesizing phylogenetic measures for ecology and conservation (sPhy)
2012 –2017	Integrative Climate Change Biology Programme (iCCB) of the International Union of Biological Sciences (IUBS)
2010 – 2011	ACEAS (Australian Centre for Ecological Analysis and Synthesis) working group “Vast lands and variable data: systematic analyses to understand the patterns and processes of mammal decline”. Terrestrial Ecosystem Research Network (TERN), Australia
2006 –2009	EU FP6 Early-Stage Research Training Network “Understanding and conserving the Earth’s biodiversity hotspots” (HOTSPOTS). Marie Curie Early-Stage Researcher at Imperial College London, UK

Publications

33 peer-reviewed research articles published (March 2019, OrcID [0000-0002-4085-636X](https://orcid.org/0000-0002-4085-636X))
Google Scholar h index 23 (>4800 citations, [Google Scholar Profile](#))
Web of Science h index 19 (>1900 citations, ResearcherID [M-9872-2014](https://orcid.org/M-9872-2014))

Thesis supervision

Direct supervision:

- 1 PhD finished (Goethe-University Frankfurt, 2018), 1 PhD ongoing (Goethe-University Frankfurt, since 2014).
- 2 MSc finished (one MSc Ecology and Evolution, Goethe-University Frankfurt, 2014; one MSc Biology, Johannes Gutenberg University Mainz, 2014)

Co-supervision:

- 3 PhD finished (Goethe-University Frankfurt, 2017, 2015 and 2014), 1 PhD ongoing (Goethe-University Frankfurt, since 2016)
- 2 MSc finished (one MSc Ecology and Evolution, Goethe-University Frankfurt, 2018; one MSc Physical Geography, Goethe-University Frankfurt, 2019)

Teaching experience

MSc Ecology and Evolution, Goethe-University Frankfurt:

- Organisation of the module “community ecology, macroecology and conservation”, (7-week block course of 13 hours per week over the whole term / 182 contact hours, 15 CP, 2nd half of summer term 2011 and annually since 2013): co-organisation of new module in 2011 with Prof Dr Katrin Böhning-Gaese, Dr Christian Hof, Dr Thomas Müller, and Dr Matthias Schleuning; in 2013-2015 leading the organisation with the same team.
- Lectures, organisation and supervision of exercises, supervision of student project work, and assessment and marking of written and oral project reports in 2011 and annually since 2013 in this module: “macroecology” (4-6 full days, approx. 3 hours per week over the whole term / 42 contact hours) and “statistics in R” (3 half days, approx. 1 hour per week over the whole term / 14 contact hours, 2011 only).
- Supervision of one student in the module “free study / student project” (6-week block course, 15 CP), October to November 2012.

BSc Biology, Goethe University Frankfurt:

- “Structure and function of organisms” (1st year module, 10.5 hours per week over the whole term / 147 contact hours, 12 CP), running zoological exercises (6 of 12 course days per term) and participation in written exam evaluation, 2nd half of winter terms 2012/2013, 2013/2014, 2014/2015.
- “Animal ecology” (2nd year specialization module, 4 hours per week over the whole term / 56 contact hours, 6 CP), running exercise “species distribution modelling” (1 of 6 course days, 6 times per term) with Prof Dr Thomas Müller, annually since summer term 2016.
- “Frankfurt Summer School” (4-week block course in summer break, 49.5 contact hours, 6 CP), Natural and Life Sciences Track “Modern and ancient organisms in the context of global environmental change”, running exercises “Macroevolution – evolutionary change of species in fossils and molecular phylogenies” (2 days), 2017 and 2018.

MSc and BSc Biology, Copenhagen University: lectures and exercises, 2009-2011.

Teaching assistance as undergraduate and graduate student, 2003-2009.

Prizes

PhD student symposium 2007 at Imperial College, joint 2nd place for best talk

Chimaira Science Award 2006 for herpetological MSc and PhD theses, 3rd place. DGHT, German Society for Herpetology (awarded for the Diplom thesis)

Services to the scientific community

Editorial service:

Associate editor, *Proceedings of the Royal Society B: Biological Sciences* (since 2017)

Subject editor, *Ecography* (since 2014)

Associate editor, *Frontiers of Biogeography* (since 2013)

Board member, sDiv (Synthesis Centre for Biodiversity Sciences) at the German Centre for Integrative Biodiversity Research (iDiv), Leipzig, Germany (since 2018)

Conference organisation:

Conference “Geobiodiversity – an integrative approach expanding Humboldt’s vision”, main organiser with Prof Dr Katrin Böhning-Gaese, Senckenberg Natural History Museum Frankfurt; 01-03/10/2017, 124 participants from 21 countries, 10 keynote and 20 contributed talks

6th annual meeting of the specialist group for macroecology of the Ecological Society of Germany, Austria and Switzerland (Gesellschaft für Ökologie, GfÖ), organiser with Dr Christian Hof and Prof Dr Katrin Böhning-Gaese, Senckenberg Museum Frankfurt; 29/02-02/03/2012, 96 participants from 12 countries, 6 keynote and 24 contributed talks

Conference session organisation:

Session “Macroecology and the fossil record”, co-organisation; 5th International Paleontological Congress (IPC5), Université Paris-Sorbonne and Muséum national d’Histoire naturelle, Paris, France; 10/07/2018 (half-day session)

Session “Macroecology and macroevolution: investigating diversity in space and time”, co-organisation; 45th annual meeting of the Ecological Society of Germany, Austria and Switzerland (Gesellschaft für Ökologie, GfÖ), University of Göttingen; 03/09/2015 (1-day session)

Peer reviews and expert assessments:

Funding agencies: DFG (German Research Foundation), Alexander von Humboldt Foundation, Marsden Fund (Royal Society of New Zealand – Te Apārangi), FWO (Research Foundation Flanders)

Scientific journals (profile on [Publons](#)): American Naturalist, Animal Conservation, Biological Conservation, Conservation Biology, Ecography, Ecology, Ecology Letters, Ecosphere, Evolution, Frontiers of Biogeography, Global Change Biology, Global Ecology and Biogeography, Journal of Animal Ecology, Journal of Avian Biology, Journal of Biogeography, Philosophical Transactions of the Royal Society B, PLoS One, Proceedings of the National Academy of Sciences of the United States of America, Proceedings of the Royal Society B, Systematic Biology, Trends in Ecology and Evolution

Student travel award applications for the 6th and 7th biennial conferences of the International Biogeography Society (IBS), 2013 and 2015

Invited presentations

Conference keynotes:

- Sept 2017 110th annual meeting of the German Zoological Society (Deutsche Zoologische Gesellschaft, DZG), Bielefeld, Germany.
- Sept 2016 46th annual conference of the Ecological Society of Germany, Austria and Switzerland (Gesellschaft für Ökologie, GfÖ) "150 years of ecology - lessons for the future", Marburg, Germany.
- June 2015 EU Macro 2015, the first joint macroecology conference of the British Ecological Society (BES), the Gesellschaft für Ökologie (GfÖ), and the Center for Macroecology, Evolution & Climate (CMEC), Copenhagen, Denmark.

Invited conference presentations:

- Jan 2017 Invited symposium presentation at the 8th biennial conference of the International Biogeography Society (IBS), Tucson, USA.
- Nov 2016 Invited speaker at the 58th Phylogenetic Symposium "Evolution meets ecology", Leipzig, Germany.
- Mar 2016 Invited speaker at "Macroecology meets Biogeography", the joint meeting of the special interest groups for biogeography (Verband der Geographen an Deutschen Hochschulen, VGDH) and for macroecology (Gesellschaft für Ökologie, GfÖ), Trier, Germany.
- Dec 2015 Invited symposium presentation at the 32nd general assembly and conference, "Frontiers in Unified Biology", of the International Union of Biological Sciences (IUBS), Berlin, Germany.
- Nov 2014 Invited symposium presentation at the 74th annual meeting of the Society for Vertebrate Paleontology (SVP), Berlin, Germany.

Other invited, international presentations (selection):

- Oct 2017 Symposium presentation at the Senckenberg conference "Geobiodiversity - an integrative approach expanding Humboldt's vision", Frankfurt, Germany.
- Mar 2017 Workshop of the integrative Climate Change Biology Programme (iCCB) of the International Union of Biological Sciences (IUBS): "Traits past, present, and future: Quantitative approaches to paleontology, conservation, and climate change biology in Africa", National Museums of Kenya, Nairobi.
- Apr 2014 Workshop of the integrative Climate Change Biology Programme (iCCB) of the International Union of Biological Sciences (IUBS): "Traits in Texas: Ecometrics, phylogenies, fossils, and biotic change", Texas A&M University, College Station, USA.
- Apr 2013 NESCent Catalysis Meeting "Integrating approaches to macroevolution: combining fossils and phylogenies", National Evolutionary Synthesis Center, Durham, USA.

Invited presentations at departmental seminars (selection):

- Nov 2017 Eidgenössische Forschungsanstalt für Wald, Schnee und Landschaft WSL, Birmensdorf, Switzerland.
- Jan 2016 Department of Ecology, Philipps-Universität Marburg, Germany.

Regular conference contributions (selection)

- oral contributed presentations if not otherwise indicated -

Annual conference of the Ecological Society of Germany, Austria and Switzerland (Gesellschaft für Ökologie). 45th conference, September 2015, Göttingen; 43rd conference, September 2013, Potsdam; 40th conference, September 2010, Gießen.

Annual meeting of the specialist group for macroecology of the Ecological Society of Germany, Austria and Switzerland (Gesellschaft für Ökologie, GfÖ). March 2019, Würzburg, Germany; April 2018, Birmensdorf, Switzerland; April 2017, Vienna, Austria; March 2014, Halle; March 2013, Göttingen; February 2011, Basel, Switzerland; March 2010, Uder.

Biennial conference of the International Biogeography Society (IBS). 9th conference, January 2019, Málaga, Spain; 7th conference, poster, January 2015, Bayreuth, Germany; 6th conference, symposium presentation, January 2013, Miami, USA; 5th conference, poster, January 2011, Herakleion, Greece.

Ecology Across Borders – joint meeting of the British Ecological Society (BES), Gesellschaft für Ökologie (GfÖ), Netherlands-Flanders Ecological Society (NecoV), and European Ecological Federation (EEF). December 2017, Ghent, Belgium.

EEF congress (European Ecological Federation). 12th congress, September 2011, Ávila, Spain.

Evolution – first joint congress on evolutionary biology of the American Society of Naturalists (ASN), the Canadian Society for Ecology and Evolution (CSEE), the European Society for Evolutionary Biology (ESEB), the Society for the Study of Evolution (SSE), and the Society of Systematic Biologists (SSB). July 2012, Ottawa, Canada.

Evolution – joint annual meeting of the American Society of Naturalists (ASN), the Society for the Study of Evolution (SSE), and the Society of Systematic Biologists (SSB). June 2010, Portland, USA; June 2008, Minneapolis, USA.

Public outreach

Public talks:

“Brennpunkte der Biodiversität” (“hotspots of biodiversity”) at “ExploreScience – Living Diversity”, a 3-day event for schoolchildren and the public, organized by the Klaus Tschira Foundation in the Luisenpark, Mannheim, July 2014.

Museum activities presenting research:

Museum tour for adults, Senckenberg Museum Frankfurt: “Artbildung bei Vögeln” (“Speciation in birds”), Feb 2018.

Presenter at the open door day of Senckenberg BiK-F: “Welcher Schnabel passt zu wem” (“bird beak and diet puzzle”), May 2017.

Press releases: 9 since 2012, see [homepage](#) for recent ones.