

## Curriculum Vitae

Dr. Susanne Fritz  
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## Current position

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Emmy Noether research group leader at the Senckenberg Biodiversity and Climate Research Centre (BiK-F), Frankfurt, since July 2014

## Employment history and education

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Apr 2011 - June 2014	Postdoctoral researcher at the Biodiversity and Climate Research Centre (BiK-F) & Senckenberg Gesellschaft für Naturforschung, Frankfurt, Germany Principal investigator: Prof. Dr. Katrin Böhning-Gaese
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 Principal Investigator: Prof. Dr. Carsten Rahbek
01/08/2009	PhD degree, Imperial College London, UK
Feb 2006 - Mar 2009	Marie Curie Early-Stage Researcher at Imperial College London, UK PhD thesis "Comparative analyses of extinction risk in vertebrates", supervised by Prof. Dr. Andy Purvis and Prof. Dr. Ian Owens, Imperial College London, UK
Sept 2005 - Jan 2006	office assistant in the Brazil Centre Baden-Württemberg at the Eberhard Karls University of Tübingen
12/09/2005	Diplom in Biology, Eberhard Karls Universität 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", supervised by Prof. Dr. Wolf Engels
Sept 1999 - Oct 2004	student of biology at the Universität Tübingen, Germany including an exchange year at the University of Aberdeen, UK
Aug 1998 - Aug 1999	au-pair in Chesham, UK
June 1998	Abitur (German A Levels)

### **Participation in international research projects and working groups**

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- May 2014 sDiv (Synthesis Centre for Biodiversity Sciences) working group "Integrating phylogenies, fossils, and Earth System dynamics (sFossil)". German Centre for Integrative Biodiversity Research (iDiv), Leipzig, Germany.
- Nov 2013 - May 2014 sDiv (Synthesis Centre for Biodiversity Sciences) working group "Synthesizing phylogenetic measures for ecology and conservation (sPhy)". German Centre for Integrative Biodiversity Research (iDiv), Leipzig, Germany.
- Since 2012 Integrative Climate Change Biology Programme (iCCB) of the International Union of Biological Sciences (IUBS).
- Aug 2010 - Aug 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"
- Feb 2006 - Mar 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

### **Grants**

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- DFG (German Research foundation) funding for Emmy Noether research group "Macroevolution of climatic niches in birds", 2014-2018; principal investigator, FR 3246/2-1
- DFG (German Research foundation) funding for 6<sup>th</sup> annual meeting of the specialist group for macroecology of the Ecological Society of Germany, Austria and Switzerland (Gesellschaft für Ökologie, GfÖ), 2012; only investigator, FR 3246/1-1
- Personal grant by the federal state Baden-Württemberg for the promotion of undergraduate studies abroad, University of Tübingen (for the Diplom thesis in Brazil), 2004

### **Invited presentations**

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- Keynote speaker at EU Macro 2015, the joint macroecology conference of the British Ecological Society (BES), the Gesellschaft für Ökologie (GfÖ), and the Center for Macroecology, Evolution & Climate (CMEC). June 2015, Copenhagen, Denmark.
- Symposium presentation at the 74<sup>th</sup> Annual Meeting of SVP (Society for Vertebrate Paleontology). November 2014, Berlin, Germany.
- Integrative Climate Change Biology (iCCB) workshop: "Ecometrics, phylogenies, fossils, and biotic change". April 2014, Texas A&M University, College Station, USA.
- NESCent (National Evolutionary Synthesis Center) meeting "Integrating approaches to macroevolution: combining fossils and phylogenies". April 2013, Durham, North Carolina.
- CIRB (Center for interdisciplinary research in biology) workshop "Phylogenetic approaches to diversification - inferring evolutionary past from phylogenetic tree shapes". October 2012, Paris, France.
- Integrative Climate Change Biology (iCCB) workshop "Traits, niches and climate as common coinage". September 2012, Swiss Federal Institute for Forest, Snow and Landscape Research (WSL), Birmensdorf, Switzerland.

## Supervision experience

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### PhD theses:

Since Nov 2014. Alison Eyres, Goethe University Frankfurt: "Ecology and evolution of climatic niches in birds". Funding through DFG (Emmy Noether programme).

Since Nov 2014. Anna Phillips, Goethe University Frankfurt: "Evolution of ecomorphological traits in birds". Funding through DFG (Emmy Noether programme).

### MSc theses:

2014. Laura Birkmann, Johannes Gutenberg University Mainz: "Functional diversity of frugivorous and nectarivorous birds along an elevational gradient in Mt. Kilimanjaro".

2014. Juliane Zenner, Goethe University Frankfurt: "Seasonal relationships of avian diversity with climate in Australia".

## Teaching experience

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### MSc Ecology and Evolution, Goethe University Frankfurt:

Organization of the module "community ecology, macroecology and conservation", (7-week block course, May-July), new in 2011, annual since 2013. In 2011 organization together with Dr. Christian Hof, Dr. Thomas Müller, Dr. Matthias Schleuning, and Prof. Dr. Katrin Böhning-Gaese; in 2013 and 2014 leading the organization with the same team; since 2015, officially responsible for the module together with Prof. Dr. Katrin Böhning-Gaese and Juniorprof. Dr. Thomas Müller. Lectures, organization and supervision of exercises in this module since 2011.

Supervision of one student, module C (free study), 2012 (6-week block course)

### MSc Biology, Copenhagen University:

Organisation of the "ecology and evolution" seminar series as a course in the MSc, including holding several tutorials, Sept. 2009 to Feb. 2011

"International nature conservation" course, 1 day lectures, organization and supervision of exercises, Nov. 2010 and Aug. 2011

"Macroecology" course, lecture (2 hours) and supervision of a paper discussion, Oct. 2010

BSc Biology, Goethe University Frankfurt: "Structure and function of organisms" (1<sup>st</sup> year module), practicals and exam evaluation of the zoological part (6 course days), December to February since winter term 2012/2013

BSc Biology, Copenhagen University: 1 hour guest lecture, BSc 2<sup>nd</sup> year, Nov. 2010

Tutoring and demonstrating (teaching assistance): MSc Ecology, Evolution and Conservation, MSc Conservation Biology, and BSc Biology, Imperial College London, 2006-2009; Diplom Biology, Tübingen University, 2003-2004

## Prizes

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PhD student symposium 2007 at Imperial College, joint 2<sup>nd</sup> place for best talk

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

### **Services to the scientific community**

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Subject editor, *Ecography* (since 2014)

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

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

Peer reviews for scientific journals: *American Naturalist*, *Animal Conservation*, *Biological Conservation*, *Conservation Biology*, *Ecology*, *Ecology Letters*, *Ecosphere*, *Evolution*, *Frontiers of Biogeography*, *Global Change Biology*, *Global Ecology and Biogeography*, *Journal of Biogeography*, *Philosophical Transactions of the Royal Society B*, *PLoS One*, *Systematic Biology*, *Trends in Ecology and Evolution*

Peer review of student travel award applications for the 6<sup>th</sup> and 7<sup>th</sup> biennial conferences of the International Biogeography Society (IBS), 2013 and 2015

### **Participation in training courses**

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Leading scientific projects (2 days, 2015, ZWM - Zentrum für Wissenschaftsmanagement / Center for Science & Research Management, Speyer)

Effective doctoral supervision (1 day, 2015, GRADE - Goethe Graduate Academy, Frankfurt)

Certificate "Hochschuldidaktik" (teaching at university level), Module 1-1: Teaching and learning in theory and practice (2.5 days, 2014, IKH - Interdisziplinäres Kolleg Hochschuldidaktik, Goethe University Frankfurt).

Negotiation in the academic realm (1 day, 2012, Goethe University Frankfurt)

Scientific project management and research leadership (2 days, 2010, Center for Macroecology, Evolution and Climate, Copenhagen)

Scientific training within the HOTSPOTS project (2006-2009): courses in ecological modelling, biological computing, evolutionary biology, phylogenetic methods, species distribution modelling, tropical ecology, and conservation management in Germany (3 days), the UK (4 days), France (2 weeks), Switzerland (2 weeks), and Tanzania (6 weeks)

Graduate courses in transferable skills at Imperial College London (2006-2009): computing (3-weeks course on R, 2-day course on Microsoft Access, one-day course on EndNote), grant application (3 days), negotiation and conflict management (2 days), scientific writing (1 day), scientific presentations (1 day)

### **Professional memberships**

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DGHT - Deutsche Gesellschaft für Herpetologie und Terrarienkunde (German Society for Herpetology)

GfÖ - Gesellschaft für Ökologie (Ecological Society of Germany, Austria and Switzerland)

IBS - International Biogeography Society

SCB - Society for Conservation Biology

SSE - Society for the Study of Evolution