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## Curriculum Vitae

### Eike Lena Neuschulz

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#### Current position

Since Sep 2011 Research assistant, Senckenberg Biodiversity and Climate Research Centre (BiK-F), Frankfurt (Germany); working group Prof. Dr. Katrin Böhning-Gaese

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#### Academic education

Nov 2011 Graduation (Dr. rer. nat), Philipps-Universität Marburg, Germany

2008–2011 PhD studies at Philipps-Universität Marburg (Prof. Dr. Nina Farwig)  
Thesis: *“Modified forests are vital for species communities and ecosystem functionality in a heterogeneous South African landscape”*

Mar 2008 Diploma in biology, Philipps-Universität Marburg, Germany (Prof. Dr. Birgit Ziegenhagen) Thesis: *“Species crossability relationships and hybrid performance of riparian willows”*

2002–2008 Studies of biology at the Philipps-Universität Marburg, major focus on nature conservation, plant ecology & botany

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#### Research experience

Since 2014 Studies on seed-disperser interaction networks within the platform for biodiversity and ecosystem monitoring and Research in South Ecuador. DFG project: *“Development and validation of functional indicators for avian seed dispersal”*

Since 2012 Studies on seed deposition by Spotted nutcrackers (*Nucifraga caryocatactes*) & regeneration of Swiss stone pine (*Pinus cembra*) in Switzerland. DFG project: *“Differential effects of seed dispersal interactions on plant regeneration across environmental gradients”* (since 2014)

2008–2010 Studies on pollination, seed dispersal & seed predation with a focus on insects, birds & rodents; bird ringing project on movement behavior of forest birds in KwaZulu-Natal, South Africa

### Selected grants and awards

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Dez 2017	DFG-grant: "Trait-dependent effects of biotic and abiotic filters on plant regeneration" as part of the Research Unit RESPECT; PI, NE 1863/3-1, >187,000 €; together with Matthias Schleuning
Nov 2014	DFG-grant: Differential effects of seed dispersal interactions on plant regeneration across environmental gradients (PI; DFG NE 1863/2-1, >210.000 €)
Feb 2013-2015	Postgraduate fellowship of the Daimler & Benz Foundation (40.000 €)
Oct 2011	Young Scientist Award (3 <sup>rd</sup> price for oral presentation), Deutsche Ornithologen-Gesellschaft
Aug 2009	Maria Sybilla Merian Award (best talk), Society for Tropical Ecology

### Academic services

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- Member of the advisory board (co-speaker) of the Society for Tropical Ecology (gtö), since 2012
- Subject-Editor for *Biotropica*, since 2014
- Jury member "Jugend Forscht, Landeswettbewerb", since 2012

*ad-hoc* referee for *Ecography*, *Global Ecology and Biogeography*, *Journal of Applied Ecology*, *Journal of Biogeography*, *Proceedings of the Royal Society B*, *Ecological Indicators*, *Oikos*, *Animal Conservation*, *Biotropica*, *Acta Oecologica*, *African Journal of Ecology*, *Basic & Applied Ecology*, *Ecological Research*, *Ibis*, *Journal of Ornithology*, *Journal of Tropical Ecology*, *Ostrich*

### Selected publications

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Merges, D., M. Bálint, I. Schmitt, K. Böhning-Gaese & **E. L. Neuschulz** (2018) Spatial patterns of mutualistic and pathogenic fungi across the elevational range of a host plant, *Journal of Ecology*, doi: 10.1111/1365-2745.12942

Qutián, M., V. Santillán, C. I. Espinosa, J. Homeier, K. Böhning-Gaese, M. Schleuning & **E. L. Neuschulz** (2017) Elevation-dependent effects of forest fragmentation on plant-bird interaction networks in the tropical Andes, *Ecography*, 40:1-10

**Neuschulz, E. L.**, D. Merges, K. Bollmann, F. Gugerli & K. Böhning-Gaese (2017) Biotic interactions and seed deposition rather than abiotic factors determine recruitment at elevational range limits of an alpine tree. *Journal of Ecology*, doi: 10.1111/1365-2745.12818

**Neuschulz, E. L.**, T. Mueller, M. Schleuning & K. Böhning-Gaese (2016) Pollination and seed dispersal are the most threatened processes of plant regeneration. *Scientific Reports* 6: 29839, doi:10.1038/srep29839

**Neuschulz, E. L.**, T. Mueller, K. Bollmann, F. Gugerli & K. Böhning-Gaese (2015) Seed perishability determines the caching behavior of a food-hoarding bird. *Journal of Animal Ecology* 84:71-78