

Curriculum Vitae

Eike Lena Neuschulz

Senckenberg Biodiversity and Climate Research Centre (SBIK-F)
Senckenberganlage 25
60325 Frankfurt
Germany

Phone: +49 69 75421872

Email: eike-lena.neuschulz@senckenberg.de

Current position

Since Jun 2018 Research associate (permanent), Senckenberg Biodiversity and Climate Research Centre (SBIK-F), Frankfurt am Main (Germany); working groups Prof. Dr. Katrin Böhning-Gaese & PD Dr. Matthias Schleuning

Past positions and education

2011 - 2018 Postdoctoral researcher, Senckenberg Biodiversity and Climate Research Centre (SBIK-F), Frankfurt; working group Prof. Dr. Katrin Böhning-Gaese

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

Research experience

Since 2014 Studies on seed-disperser interaction networks and plant regeneration in southern Ecuador. DFG projects: *“Development and validation of functional indicators for avian seed dispersal”* and *“Trait-dependent effects of biotic and abiotic filters on plant regeneration”*

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”*

Selected grants and awards

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 rd price for oral presentation), Deutsche Ornithologen-Gesellschaft
Aug 2009	Maria Sybilla Merian Award (best talk), Society for Tropical Ecology

Academic services

- Member of the advisory board (co-speaker) of the Society for Tropical Ecology (gtö), since 2012; Editor of the societies' newsletter
- 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

Merges, D., M. Bálint, I. Schmitt, P. Manning & **E. L. Neuschulz** (2019) High throughput sequencing combined with null model tests reveals specific plant-fungi associations linked to seedling establishment and survival. *Journal of Ecology*, 108:574-585

Neuschulz, E. L., D. Merges, K. Bollmann, F. Gugerli & K. Böhning-Gaese (2018) Biotic interactions and seed deposition rather than abiotic factors determine recruitment at elevational range limits of an alpine tree. *Journal of Ecology*, 106:948-959

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

Quitíán, M., V. Santillán, I. M. A. Bender, C. I. Espinosa, J. Homeier, K. Böhning-Gaese, M. Schleuning & **E. L. Neuschulz** (2019) Functional responses of avian frugivores to variation in fruit resources between natural and fragmented forests, *Functional Ecology*, 33:399-410

Quitíán, M., V. Santillán, C. I. Espinosa, J. Homeier, K. Böhning-Gaese, M. Schleuning & **E. L. Neuschulz** (2018) Elevation-dependent effects of forest fragmentation on plant-bird interaction networks in the tropical Andes, *Ecography*, 41: 1497-1506

Schleuning, M., **E. L. Neuschulz**, J. Albrecht, I. M. A. Bender, D. E. Bowler, D. M. Dehling S. A. Fritz, C. Hof, T. Mueller, L. Nowak, M. C. Sorensen, K. Böhning-Gaese & W. D. Kissling (2020) Trait-based assessments of climate-change impacts on interacting species. *Trends in Ecology and Evolution*, 35:319-328