

# EINLADUNG

Kolloquium  
Wintersemester 2021 / 2022

**Dr. Eike Lena Neuschulz**

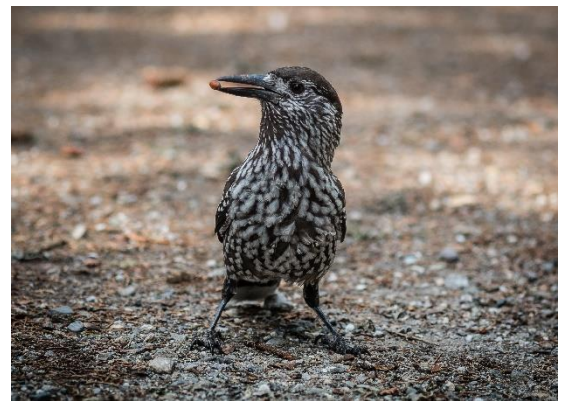
Abteilung Funktionelle Ökologie und globaler Wandel, Senckenberg Biodiversität und Klima Forschungszentrum

hält am Dienstag, den **02.11.2021**, um 16:15 Uhr, im Biologicum, Max-von-Laue-Str. 13, Campus Riedberg, Hörsaal 1 einen Vortrag über  
**„Biotic interactions and plant regeneration across environmental gradients“**



Interactions among organisms, such as the dispersal of seeds by animals, are a key element that determine the regeneration and diversity of plants. Despite their important role, these interactions are little understood. In my talk, I will shed light on how biotic interactions affect plants along environmental gradients. I will introduce several examples including the mutualistic interaction between Spotted nutcracker (*Nucifraga caryocatactes*) and the Swiss stone pine (*Pinus cembra*) that shapes forest dynamics at the Alpine tree line. Here I will show that their relation is much more ambivalent than previously thought.

Another model system examines highly diverse bird-mediated plant regeneration processes in the tropical rainforests of Southern Ecuador. Here, I will show strong shifts in seed dispersal interactions along elevational and land use gradients and trait-dependent effects on plant regeneration. Overall, my work helps to improve the mechanistic understanding of biotic interactions and ecological processes in different ecosystems and is relevant for understanding future diversity patterns under changing environmental conditions.



Einladende: Prof. Dr. Katrin Böhning-Gaese

**Dieser Vortrag findet in einem Hybrid-Format statt.** Sie können entweder im Hörsaal oder über die Zoom-Veranstaltung teilnehmen. Über diesen Link kommen Sie zu der entsprechenden Veranstaltung:

<https://uni-frankfurt.zoom.us/j/99304717279?pwd=d25vTXFqSVFjTUhIM-GoyWkZTbHA2UT09>

