

Jonas Trepel

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Education

- AARHUS UNIVERSITY** Aarhus, DK
PhD Student, Research Fellow Sep 2024 - now
PhD project title: Trophic Complexity and Biodiversity Dynamics
in Novel Ecosystems
- GEORG AUGUST UNIVERSITY GÖTTINGEN & AARHUS UNIVERSITY** Göttingen, DE
International Master of Biodiversity, Ecology and Evolution Aarhus, DK
(Double Degree program with M.Sc. Biology at Aarhus University and Oct 2021 – June 2023
M.Sc. Biodiversity, Ecology and Evolution at Göttingen University)
 - Thesis title: The impact of wild terrestrial megafauna on ecosystems
with a focus on zoogeochemistry
- UNIVERSITY OF HAMBURG** Hamburg, DE
B.Sc. Biology Oct 2018 –
 - Thesis title: An analysis of cervid-browsing in two forests in northern Sep 2021
Germany
- R. STEINER-SCHULE HAMBURG WANDSBEK**
Abitur (Highschool degree)

Work Experience

- UNIVERSITY OF HAMBURG** Hamburg, DE
Research assistant Aug 2021 – Oct 2021
 - Fieldwork assistance and construction work
 - Collaborative skills
- CAFÉ BAR SONNENSEITE** Hamburg, DE
Bartender Oct 2020 – Oct 2021
 - Independent work as well as teamwork
 - Taking responsibility
- GÄNGEVIERTEL E.V.** Hamburg, DE
Guest service May 2019 – Apr 2020
 - Coordination of a team of up to 14 people
 - Collaborative skills
- UNIVERSITY HOSPITAL HAMBURG EPPENDORF** Hamburg, DE
Research assistant Mar 2018 – Dec
Mar 2018 – Dec 2018 2018
 - Lab work and digitalization of patient data
- EVAMIGRA** Hamburg, DE
Project manager Jan 2017 – Dec 2017
 - Coordination of the project „Step by step, door by door“ at a
Refugee Accommodation
 - Organizational skills

Group leader

Nov 2013 – Dec 2016

- Leading a scout group including organizing weekly meetings, large trips, and events
- Organizational skills
- Taking responsibility

Relevant Skills

- Technical:**
- Very good knowledge of statistics and coding in R
 - Good knowledge of geographic information system QGIS
 - Basic knowledge of Google Earth Engine
 - Working with big data, including telemetry and remote sensing data
 - Microsoft office
- Research**
- Field work experience both independently and with a team in a wide range of climatic conditions
 - Diversity assessments (vegetation, arthropods, birds, and large mammals)
 - Standard laboratory techniques (i.e., PCR, Gel electrophoresis)
 - Camera trapping
- Language**
- English (fluent)
 - German (native speaker)
- Others**
- Driving license (class B)

Peer reviewed publications

PDFs available upon request

Trepel, Jonas, Elizabeth Le Roux, Andrew J. Abraham, Robert Buitenwerf, Johannes Kamp, Jeppe A. Kristensen, Melanie Tietje, Erick J. Lundgren, and Jens-Christian Svenning. 2024. “Meta-Analysis Shows That Wild Large Herbivores Shape Ecosystem Properties and Promote Spatial Heterogeneity.” *Nature Ecology & Evolution*, February. <https://doi.org/10.1038/s41559-024-02327-6>.

Lundgren, Erick J., Juraj Bergman, **Jonas Trepel**, Elizabeth le Roux, Sophie Monsarrat, Jeppe Aagaard Kristensen, Rasmus Østergaard Pedersen, Patricio Pereyra, Melanie Tietje, and Jens-Christian Svenning. 2024. “Functional Traits—Not Nativeness—Shape the Effects of Large Mammalian Herbivores on Plant Communities.” *Science* 383 (6682): 531–37. <https://doi.org/10.1126/science.adh2616>.

Atkinson, Joe, Rachael Gallagher, Szymon Czyżewski, Matthew Kerr, **Jonas Trepel**, Robert Buitenwerf, and Jens-Christian Svenning. 2024. “Integrating Functional Traits into Trophic Rewilding Science.” *Journal of Ecology* 112 (5): 936–53. <https://doi.org/10.1111/1365-2745.14307>.

Barbero-Palacios, Laura, Isabel C. Barrio, Mariana García Criado, Iona Kater, Matteo Petit Bon, Tiina H. M. Kolari, Ragnhild Bjørkås, **Jonas Trepel**, et al. 2024. “Herbivore Diversity Effects on Arctic Tundra Ecosystems: A Systematic Review.” *Environmental Evidence* 13 (1): 6. <https://doi.org/10.1186/s13750-024-00330-9>.

Trepel, Jonas, Andrew J. Abraham, Erick J. Lundgren, Kristy M. Ferraro, Camilla Fløjgaard, Lars Haugaard, Peter Sunde, et al. 2024. "Zoogeochemistry of a Protected Area: Driven by Anthropogenic Impacts and Animal Behavior." *Conservation Science and Practice* 6 (5): e13107. <https://doi.org/10.1111/csp2.13107>.

Scholarships and Grants

Master exchange scholarship of DAAD Project liveSciences ³ (6250 €)	2022/2023
Project support by Aage V. Jensen Nature Foundation (3662 €)	2023
Project support by the Bavarian Forest NP (10,000 €)	2023/2024

Public outreach

Radio interview with Deutschlandfunk: "More Biodiversity: the impact of megafauna on ecosystems" (https://www.deutschlandfunk.de/mehr-biodiversitaet-einfluss-der-megafauna-auf-oekosysteme-dlf-beb9bac6-100.html)	Feb 2024
Blog entry: Megafauna, mega-impact: how wild large herbivores shape ecosystems across the globe (Springer Nature Research Communities)	Feb 2024
Press release: "Global study: Wild megafauna shape ecosystem properties" (https://www.eurekalert.org/news-releases/1033938)	Feb 2024