

Publication record (peer-reviewed, chronological order)

In review

- Carranco AS, Romo D, de Lourdes Torres M, Wilhelm K, Gillingham MAF, Sommer S. Turtle egg microbiome modulates fusariosis fungal infection and hatching success.
- Fleischer R, Hanifen KE, Mallory ML, Provencher J, Sommer S. Microbial shifts and reduced condition with microplastic ingestion in wild seabirds.
- Jetter K, Jani K, Wilhelm K, Stehle U, Chamedjeu RR, Riedel C, Sommer S, Wilfert L, Schäfer P. Effects of pig slurry fertilization history on grassland microbiomes: Insights from field and mesocosm experiments.

2026

- Menke S, Fackelmann G, Vucetich LM, Vucetich JA, Forbey JS, **Sommer S** (2026) Forage quality shapes physiological and gut microbial responses in moose (*Alces alces*) of Isle Royale National Park. *Scientific Reports*, 16, 3724. <https://doi.org/10.1038/s41598-026-35555-w>.
- Olayemi A, Sarapak J, Wilhelm K, Günther S, **Sommer S**, Fichet-Calvet E, Melville DW (2026) Regional Lassa virus lineages select for divergent MHC-I repertoires in *Mastomys natalensis* rodents. *PLoS Pathogens*, 22(4) e1014121. <https://doi.org/10.1371/journal.ppat.1014121>.
- Viquez-R L, Speer K, Wilhelm K, Perkins S, Simmons NB, Medellín RA, **Sommer S**, Tschapka M (2026) Tequila Bats (Phyllostomidae: *Leptonycteris yerbabuena*) and their associated bat flies: disentangling the effects of physical proximity and organism source as predictors of microbiota dissimilarities. *Journal of Mammalogy*. <https://doi.org/10.1093/jmammal/gyaf080>.

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151. Chamedjeu RR, Jani K, Jetter K, Wilhelm K, Schäfer P, Wilfert L, **Sommer S**, Riedel C (2025) Impact of fertilization on the bacterial core microbiome of grassland soils: Abundance in the field and growth *in vitro*. *Environmental Microbiology Reports*, 17:e70235. <https://doi.org/10.1111/1758-2229.70235>.
150. Fähnle J, Wilhelm K, Wiese B, Manser M, Clutton-Brock T, **Sommer S**, Müller-Klein N (2025) Natural variability of trace-amine associated receptors in wild meerkats. *Frontiers in Zoology*, 22, 37. <https://doi.org/10.1186/s12983-025-00590-2>.

149. Jetter K, Jani K, Wilhelm K, Stehle U, Chamedjeu R, Riedel C, Wilfert L, Schäfer P, **Sommer S** (2025) Fertilization impacts microbiomes along the grassland trophic chain. *ISME Communications*, 5(1). <https://doi.org/10.1093/ismeco/ycaf162>.
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139. Leibniz-Forschungsnetzwerk Biodiversität (2024) 10 Must-Knows aus der Biodiversitätsforschung 2024. Thonicke K, Rahner E, Arneth A, Bonn A, Borchard N, Chaudhary A, Darbi M, Dutta T, Eberle U, Eisenhauer N, Farwig N, Flocco CG, Freitag J, Grobe P, Grosch R, Grossart HP, Grosse A, Grützmaker K, Hagemann N, Hansjürgens B, Hartman Scholz A, Hassenrück C, Häuser C, Hickler T, Hölker F, Jacob U, Jähnig S, Jürgens K, Kramer-Schadt S, Kretsch C, Krug C, Lindner JP, Loft L, Mann C, Matzdorf B, Mehring M, Meier R, Meusemann K, Müller D, Nieberg M, Overmann J, Peters RS, Pörtner L, Pradhan P, Prochnow A, Rduch V, Reyer C, Roos C, Scherber C, Scheunemann N, Schroer S, Schuck A, Sioen GB, **Sommer S**, Sommerwerk N, Tanneberger F, Tockner K, van der Voort H, Veenstra T, Verburg P, Voss M, Warner B, Wende W, Wesche K. Potsdam, Deutschland. 72 Seiten. doi: 10.5281/zenodo.10794362.
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