

Publication record (peer-reviewed, chronological order)

In review

- Fähnle J, Wilhelm K, Wiese B, Manser M, Clutton-Brock T, Sommer S, Müller-Klein N. Natural variability of trace-amine associated receptors in wild meerkats.
- Jetter K, Jani K, Wilhelm K, Stehle U, Chamedjeu R, Riedel C, Wilfert L, Schäfer P, Sommer S. Fertilization impacts microbiomes along the grassland trophic chain.
Preprint: <https://biorxiv.org/cgi/content/short/2024.12.06.627205v1>
- Melville DW, Meyer M, Kümmerle C, Alvarado-Barrantes KA, Wilhelm K, Sommer S, Tschapka M, Risely A. Delayed feeding disrupts diurnal oscillations in the gut microbiome of a neotropical bat in captivity. *FEMS*.
- Meyer M, Eibner G, Heni AC, Wilhelm K, Sommer S. Changes in biodiversity drive *Trypanosoma* infections of wildlife in Panama.
- Müller-Klein N, Risely A, Wilhelm K, Riegel V, Manser M, Clutton-Brock T, Santos PSC, Melville DW, Sommer S. Twenty-year co-evolutionary arms race between meerkat MHC and Tuberculosis. *Nature Ecology & Evolution*, in review.
Preprint: <https://doi.org/10.21203/rs.3.rs-4685784/v1>

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- Böning P, Plewnia A, Virgo J, Adam J, Banowski N, Bleidißel S, Dabbagh N, Dalbeck L, Düssel H, Ellwart S, Feiler L, Ferner V, Fischer M, Gemeinhardt L, Guschal M, Geiger A, Hansbauer H, Hechinger M, Hildwein T, Hirz A, Hoppe M, Jung L, Jurczyk M, Kirst K, Kupfer A, Melville DW, Odenwälder G, Ohloff D, Peters M, Preissler K, Prietzel M, Reinhardt T, Schlüpmann M, Schneider M, Schreiber R, Schulte U, Schulz V, Schweinsberg M, Schwemmer H, **Sommer S**, Steinfartz S, Thein J, Twietmeyer S, Vences M, Vogt-Pokrant F, Wagner N, Wegge J, Ziemek H-P, Veith M, Lötters S (2024) Die Salamanderpest: Charakterisierung, aktuelle Situation in Deutschland, Handlungsempfehlungen. *Zeitschrift für Feldherpetologie*, 31, 1-38.
- Fleischer R, Jones C, Ledezma-Campos P, Czirják GÁ, **Sommer S**, Gillespie TR, Vicente-Santos A (2024) Gut microbial shifts in vampire bats linked to immunity due to changed diet in human disturbed landscapes. *Science of the Total Environment*, 907, 167815. <https://doi.org/10.1016/j.scitotenv.2023.167815>.
- Fleischer R, Eibner GJ, Schwensow NI, Pirzer F, Paraskevopoulou S, Mayer G, Corman VM, Drosten C, Wilhelm K, Heni AC*, **Sommer S***, Schmid DW* (2024) Immunogenetic-pathogen networks shrink in Tome's spiny rat, a generalist rodent inhabiting disturbed landscapes. *Communications Biology*, 7, 169. doi: 10.1038/s42003-024-05870-x. * shared senior authors, contributed equally to the study.

- Fleischer R, Velling M, Peters W, Peterka T, Franke F, Jůnková Vymyslická P, Rehbein S, Heurich M, **Sommer S** (2024) Invasive *Fascioloides magna* infections impact gut microbiota in a definitive host in Europe. *International Journal for Parasitology: Parasites and Wildlife*. <https://doi.org/10.1016/j.ijppaw.2024.101024>
- 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.
- Melville DW, Meyer M, Risely A, Wilhelm K, Baldwin HJ, Badu EK, Nkrumah EE, Opong SK, Schwensow N, Tschapka M, Vallo P, Corman VM, Drosten C, **Sommer S** (2024) Hibecovirus (genus Betacoronavirus) infection linked to gut microbial dysbiosis in bats. *ISME Communications*.
- Meyer M*, Schmid DW*, Baldwin H, Wilhelm K, Nkrumah EE, Badu EK, Opong SK, Schwensow N, Vallo P, Corman VM, Tschapka M, Drosten C, **Sommer S** (2024) Bat species assemblage predicts coronavirus prevalence. *Nature Communications*, 15(1), 2887. doi: 10.1038/s41467-024-46979-1.
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