

Publication record (peer-reviewed, chronological order)

In review

- Balasubramaniam K, Mueller-Klein N, Risely A, Vink T, Clutton-Brock T, Manser M, Sommer S. Impact of animal sociality on microbiome community ecology: insights from wild meerkats in the Kalahari.
- Carranco AS, Romo D, de Lourdes Torres M, Wilhelm K, Gillingham MAF, Sommer S. Bacterial and fungal inner eggshell microbiota predicts fusariosis fungal infection risk and hatching success in Amazonian freshwater turtles.
- 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>

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- Melville DW, Meyer M, Kümmerle C, Alvarado-Barrantes KA, Wilhelm K, **Sommer S**, Tschapka M, Risely A (2025) Delayed feeding disrupts diurnal oscillations in the gut microbiome of a neotropical bat in captivity. *FEMS Microbiol Ecol.*, 101(2). doi: 10.1093/femsec/fiaf012.
- Melville DW, Meyer M, Risely A, Wilhelm K, Baldwin HJ, Badu EK, Nkrumah EE, Oppong SK, Schwensow N, Tschapka M, Vallo P, Corman VM, Drosten C, **Sommer S** (2025) Hibecovirus (genus Betacoronavirus) infection linked to gut microbial dysbiosis in bats. *ISME Communications*, 5(1). <https://doi.org/10.1093/ismeco/ycae154>.
- Meyer M, Eibner G, Heni AC, Wilhelm K, **Sommer S** (2025). Changes in biodiversity drive Trypanosome infections of wildlife in Panama. *One Health* (16.06.2025 accepted).
- Müller-Klein N, Risely A, Wilhelm K, Riegel V, Manser M, Clutton-Brock T, Silver L, Santos PSC, Melville DW, **Sommer S** (2025) Twenty-years of Tuberculosis-driven selection on meerkat MHC. *Nature Ecology & Evolution* (04.06.2025 accepted).
- Speer K, Viquez Rodríguez L, Frick W, Ibarra A, Simmons N, Dittmar K, Sánchez Calderón R, Preciado R, Medellín R, Tschapka M, **Sommer S**, Perkins S (2025) Comparative community ecology reveals conserved ectoparasite microbiomes amidst variable host and environment microbiomes. *Ecology and Evolution*, 15:e71120.
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- 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.
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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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