

Publication record (peer-reviewed, chronological order)

In review

- Balasubramaniam K, Mueller-Klein N, Vink T, Clutton-Brock T, Manser M, Sommer S. Kinship effects on gut microbiomes among wild meerkats (*Suricata suricatta*) in the Kalahari.
- Carranco AS, Romo D, de Lourdes Torres M, Wilhelm K, Sommer S. From nest to hatchling: nidobiome assembly and host selection in oviparous vertebrates without parental care.
- Fleischer R, Hanifen KE, Mallory ML, Provencher J, Sommer S. Wild seabirds in remote Arctic regions experience microbial shifts and reduced condition with microplastic ingestion.
- 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.
- Mikkelsen AJ, Radchuk V, Ratovonamana YR, Eatrefene F, Kasola C, Odilon NG, Rasoanaivo FH, Razafindrazanaka BE, Razafindraibe H, Sommer S, Ganzhorn JU. Population dynamics of the carnivoran *Galidictis fasciata grandidieri* under hypervariable rainfall in the spiny forest of Madagascar.
- Wilhelm K, Ratovonamana YR, Andriantsoa R, Atrefeny F, Jeglinski JWE, Kasola C, Marquard M, Rasoanaivo F, Razafindraibe H, Razafindrazanaka BE, Sommer S*, Ganzhorn JU. Genetic population structure of *Galidictis fasciata grandidieri* in the subarid spiny forest of Madagascar.

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- Brändel SD, Melville DW, Wilhelm K, Sarapak J, Haeckh F, Corman VM, Page R, Drosten C, Tschapka M, **Sommer S**, Wasimuddin. Astrovirus infection alters gut microbial communities in a widespread Neotropical bat across human-modified landscapes. *BMC Microbiology*, 26, 677. <https://doi.org/10.1186/s12866-026-05455-0>.
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- Geschke J, **Sommer S**, Schlöter M (2026) What health are we talking about? Biodiversity as the missing link between One Health and Planetary Health. *Ambio*. <https://doi.org/10.1007/s13280-026-02487-8>.
- Meyer M, Schindler M, Wilhelm K, Gruber J, Schillinger A, Hiller C, Jani K, Jetter K, Carranco AS, Vesely K, Bruck M, Maurer S, Frötscher H, Schneeweis S, Baumgartner C, **Sommer S** (2026) Nests of the endangered European pond turtle leave a biogeochemical and microbial imprint on floodplain soils. *Global Ecology and Conservation*, 70, e04375. <https://doi.org/10.1016/j.gecco.2026.e04375>.

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- Morales AE, Liang Y, Thomas WR, [...], Melville DW, Meyer M, [...], **Sommer S**, [...], Hiller M, Teeling EC (2026) Reference genomes and fossils rewrite bat family level phylogeny and global biogeography. *Nature*. <https://doi.org/10.1038/s41586-026-11007-3>.
- 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>.
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- Viquez-R L, Speer K, Wilhelm K, Perkins S, Simmons NB, Medellín RA, **Sommer S**, Tschapka M (2026) Tequila Bats (Phyllostomidae: *Leptonycteris yerbabuenae*) and their associated bat flies: disentangling the effects of physical proximity and organism source as predictors of microbiota dissimilarities. *Journal of Mammalogy*, 107, 1. <https://doi.org/10.1093/jmammal/gyaf080>.

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