

Publication record (peer-reviewed, chronological order)

In review

Víquez-R L, Henrich M, Riegel V, Bader M, Wilhelm K, Heurich M, Sommer S. A Taste of Wilderness: Supplementary feeding of red deer (*Cervus elaphus*) increases individual microbiome diversity but lowers abundance of important gut symbionts.

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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, Lötzter S (2024) Die Salamanderpest: Charakterisierung, aktuelle Situation in Deutschland, Handlungsempfehlungen. *Zeitschrift für Feldherpetologie*.

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, 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*. doi: 10.1038/s42003-024-05870-x. * shared senior authors, contributed equally to the study.

Meyer M*, Schmid DW*, Baldwin H, Wilhelm K, Nkrumah EE, Badu EK, Oppong SK, Schwensow N, Vallo P, Corman VM, Tschapka M, Drosten C, **Sommer S** (2024) Bat species assemblage predicts coronavirus prevalence. *Nature Communications*.

Olayemi A, Schmid DW, Fleischer R, Wilhelm K, Heni A, Mueller-Klein N, Haikukutu L, Fichet-Calvet E, Günther S, **Sommer S** (2024). MHC-I alleles mediate clearance and antibody response to the zoonotic Lassa virus in *Mastomys* rodent reservoirs. *PLoS Neglected Tropical Diseases*, 18(2), e0011984. <https://doi.org/10.1371/journal.pntd.0011984>.

Sommer S (2024) Darmmikrobiom - Mikroplastik und Klimaveränderungen beeinflussen die (mikrobielle) Gesundheit. Karriere, Köpfe und Konzepte. *BIOspektrum*, 02.24.

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134. Fackelmann G, Pham CK, Rodríguez Y, Mallory ML, Provencher JF, Baak JE, **Sommer S** (2023) Current levels of microplastic pollution impact wild seabird gut microbiomes. *Nature Ecology & Evolution*, 7, 698-706. doi: 10.1038/s41559-023-02013-z.
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