

## 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.
- 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>.
- Víquez-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*. <https://doi.org/10.1093/jmammal/gyaf080>.

### 2025

152. Balasubramaniam K, Mueller-Klein N, Risely A, Vink T, Clutton-Brock T, Manser M, **Sommer S** (2025) Impact of socioecology on microbiome communities: insights from wild meerkats in the Kalahari. *Journal of Animal Ecology*, 94, 2687–2703. [10.1111/1365-2656.70168](https://doi.org/10.1111/1365-2656.70168).
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. Föhnle 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*.
148. 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](https://doi.org/10.1093/femsec/fiaf012).

147. 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>.
146. Meyer M, Eibner G, Heni AC, Wilhelm K, **Sommer S** (2025). Changes in biodiversity drive Trypanosome infections of wildlife in Panama. *One Health*, 21, 101113. <https://doi.org/10.1016/j.onehlt.2025.101113>.
145. 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 shaped the evolution of meerkat MHC. *Nature Ecology & Evolution*. doi: 10.1038/s41559-025-02837-x.
144. 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. <https://doi.org/10.1002/ece3.71120>.

## 2024

143. 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.
142. 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>.
141. 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.
140. 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>.

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, Grützmacher 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.
138. 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*, 15(1), 2887. doi: 10.1038/s41467-024-46979-1.
137. 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>.
136. **Sommer S** (2024) Darmmikrobiom - Mikroplastik und Klimaveränderungen beeinflussen die (mikrobielle) Gesundheit. Karriere, Köpfe und Konzepte. *BIOSpektrum*, 02.24.
135. Viquez-R L, Henrich M, Riegel V, Bader M, Wilhelm K, Heurich M, **Sommer S** (2024) A Taste of Wilderness: Supplementary feeding of red deer (*Cervus elaphus*) increases individual microbiome diversity but lowers abundance of important gut symbionts. *Animal Microbiome*, 6:28. 10.1186/s42523-024-00315-6.

## 2023

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.
133. Haikukutu L, Lyaku JR, Lyimo CM, Eiseb S, Makundi RH, Wilhelm K, Olayemi A, Müller-Klein N, Schmid DW, Fleischer R, **Sommer S** (2023) Immunogenetics, sylvatic plague and its vectors: Insights from the pathogen reservoir *Mastomys natalensis* in Tanzania. *Immunogenetics*, 75, 517-530. doi: 10.1007/s00251-023-01323-7.

132. Heni AC, Fackelmann G, Eibner G, Kreinert S, Schmid J, Schwensow NI, Wiegand J, Wilhelm K, **Sommer S** (2023) Wildlife gut microbiomes of sympatric generalist species respond differently to anthropogenic landscape disturbances. *Animal Microbiome*, 5:22. doi: 10.1186/s42523-023-00237-9.
131. Risely A, Müller-Klein N, Schmid DW, Wilhelm K, Clutton-Brock T, Manser MB, **Sommer S** (2023) Climate change drives loss of bacterial gut mutualists at the expense of host survival in wild meerkats. *Global Change Biology*, 29, 5816 – 5828. doi: 10.1111/gcb.16877.
130. Schmid DW, Capilla-Lasheras P, Dominoni D, Müller-Klein N, **Sommer S**, Risely A (2023) Circadian rhythms of hosts and their gut microbiomes: implications for animal physiology and ecology. *Functional Ecology*, 37, 476–487. doi: 10.1111/1365-2435.14255.
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128. Veith T, Bleicker T, Eschbach-Bludau M, Brünink S, Mühlemann B, Schneider J, Beheim-Schwarzbach J, Rakotondranary SJ, Ratovonamana YR, Tsagnangara C, Ernest R, Randriantafika F, **Sommer S**, Stetter N, Jones TC, Drosten C, Ganzhorn JU, Corman VM (2023) Non-structural genes of novel lemur adenoviruses reveal codivergence of virus and host. *Virus Evolution*, 9:1. <https://doi.org/10.1093/ve/vead024>.

## 2022

127. Carranco AS, Gillingham MAF, Wilhelm K, Romo D, de Lourdes Torres M, **Sommer S\***, Romo D\* (2022) Transcending sea turtles: first report of hatching failure in eggs of an Amazonian freshwater turtle with symptoms of the fungal emerging disease fusariosis. *Transboundary and Emerging Diseases*, 69, e3282–e3288. doi: 10.1111/tbed.14596. \* contributed equally to the study.
126. Carranco AS, Romo D, de Lourdes Torres M, Wilhelm K, **Sommer S\***, Gillingham MAF\* (2022) Egg microbiota is the starting point of hatchling gut microbiota the endangered yellow-spotted Amazon river turtle. *Molecular Ecology*, 31(14), 3917-3933. doi: 10.1111/mec.16548. \* contributed equally to the study.
125. Donadio J, Risely A, Müller-Klein N, Wilhelm K, Clutton-Brock T, Manser MB, **Sommer S** (2022) Characterizing tuberculosis progression in wild meerkats (*Suricata suricatta*) from faecal samples and clinical signs. *Journal of Wildlife Diseases*, 58(2), 309–321. doi: 10.7589/JWD-D-21-00063.
124. Fleischer R, Schmid DW, Wasimuddin, Brändel SD, Rasche A, Corman VM, Drosten C, Tschapka M, **Sommer S** (2022) Interaction between MHC diversity and constitution, gut microbiome composition and Astrovirus infections in a neotropical bat. *Molecular Ecology*, 31, 3342–3359. doi: 10.1111/mec.16491.

- 123a. Leibniz-Forschungsnetzwerk Biodiversität (2022) 10 Must-Knows aus der Biodiversitätsforschung 2022. Thonicke K, Rahner E, Arneth A, Bartkowski B, Bonn A, Döhler C, Finger R, Freitag J, Grosch R, Grossart H.-P, Grützmaker K, Hartman Scholz A, Häuser C, Hickler T, Hölker F, Jähnig SC, Jeschke J, Kasen R, Kastner T, Kramer-Schadt S, Krug C, Lakner S, Loft L, Matzdorf B, Meakins F, De Meester L, Monaghan MT, Müller D, Overmann J, Quaas M, Radchuk V, Reyer C, Roos C, Scholz I, Schroer S, Sioen GB, **Sommer S**, Sommerwerk N, Tockner K, Turk Z, Warner B, Wätzold F, Wende W, Veenstra T, van der Voort H. Potsdam, Deutschland. 60 Seiten. doi: 10.5281/zenodo.6257476.
- 123b. Leibniz Research Network Biodiversity (2022) engl version available: 10 Must Knows from Biodiversity Science 2022. Thonicke K, Rahner E, Arneth A, Bartkowski B, Bonn A, Döhler C, Finger R, Freitag J, Grosch R, Grossart H.-P, Grützmaker K, Hartman Scholz A, Häuser C, Hickler T, Hölker F, Jähnig SC, Jeschke J, Kasen R, Kastner T, Kramer-Schadt S, Krug C, Lakner S, Loft L, Matzdorf B, Meakins F, De Meester L, Monaghan MT, Müller D, Overmann J, Quaas M, Radchuk V, Reyer C, Roos C, Scholz I, Schroer S, Sioen GB, **Sommer S**, Sommerwerk N, Tockner K, Turk Z, Warner B, Wätzold F, Wende W, Veenstra T, van der Voort H. Potsdam, Deutschland. 60 pages.
122. Müller-Klein N, Risely A, Schmid DW, Manser MB, Clutton-Brock T, **Sommer S** (2022) Two decades of tuberculosis surveillance reveal disease spread, high levels of exposure and mortality, and marked variation in disease progression in wild meerkats. *Transboundary and Emerging Diseases*. doi:10.1111/tbed.14679.
121. Risely A, Schmid DW, Müller-Klein N, Wilhelm K, Clutton-Brock T, Manser MB, **Sommer S** (2022) Gut microbiota individuality is contingent on temporal scale and age in wild meerkats. *Proceedings of the Royal Society B*, 289, 20220609. <https://doi.org/10.1098/rspb.2022.0609>.
120. Schmid DW, Fackelmann G, Wasimuddin, Rakotondranary J, Ratovonamana YR, Montero K, Ganzhorn JU, **Sommer S** (2022) A framework for testing the impacts of co-infections on host gut microbiomes. *Animal Microbiome*, 4:48. <https://doi.org/10.1186/s42523-022-00198-5>.
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118. Wasimuddin, Malik H, Ratovonamana YR, Rakotondranary SJ, Ganzhorn JU, **Sommer S** (2022) Anthropogenic disturbance impacts gut microbiome homeostasis in a Malagasy primate. *Frontiers Microbiology*, Community Series in the Wildlife Gut Microbiome and Its Implication for Conservation Biology, Volume II, 13, 911275. doi: 10.1101/2022.04.02.486803.

**2021**

117. Alpízar P, Risely A, Tschapka M, **Sommer S** (2021) Agricultural fast food: Bats feeding in banana monocultures are heavier but have less diverse gut microbiomes. *Frontiers in Ecology and Evolution*, 9, 746783. <https://doi.org/10.3389/fevo.2021.746783>.
116. Fackelmann F, Gillingham MAF, Schmid J, Heni AC, Wilhelm K, **Sommer S** (2021) Human encroachment into wildlife gut microbiomes. *Communications Biology*, 4, 800. [doi.org/10.1038/s42003-021-02315-7](https://doi.org/10.1038/s42003-021-02315-7).
115. Gillingham MAF, Borghesi F, Montero BK, Migani F, Béchet A, Rendón-Martos M, Amat JA, Dinelli E, **Sommer S** (2021) Bioaccumulation of trace elements affects chick body condition and gut microbiome in greater flamingos. *Science of the Total Environment*, 761, 143250. [doi: 10.1016/j.scitotenv.2020.143250](https://doi.org/10.1016/j.scitotenv.2020.143250).
114. Gillingham MAF, Montero BK, Wilhelm K, Grudzus K, **Sommer S**, Santos PSC (2021) A novel workflow to improve genotyping of multigene families in wildlife species: an experimental set-up with a known model system. *Molecular Ecology Resources*, 21, 982-998. <https://doi.org/10.1111/1755-0998.13290>.
113. Jiménez RR, Alvarado G, Mena F, Ruepert C, Ballesteros E, **Sommer S** (2021) The fungicide chlorothalonil changes the amphibian skin microbiome: a potential factor disrupting a host disease-protective trait. *Applied Microbiology*, 1, 26–37. [doi.org/10.3390/applmicrobiol1010004](https://doi.org/10.3390/applmicrobiol1010004).
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109. Viquez-R L, Speer K, Wilhelm K, Simmons N, Medellín RA, **Sommer S\***, Tschapka M\* (2021) A faithful gut: Core features of gastrointestinal microbiota of long-distance migratory bats remain stable despite dietary shifts driving differences in specific bacterial taxa. *Microbiology Spectrum*, 9(3): e01525-21. \* contributed equally to the study. [doi: 10.1128/Spectrum.01525-21](https://doi.org/10.1128/Spectrum.01525-21).

**2020**

108. Fleischer R, Risely A, Hoeck PEA, Keller LF, **Sommer S** (2020) Mechanisms governing avian phyllosymbiosis: genetic dissimilarity based on neutral and MHC regions exhibits little relationship with gut microbiome distributions of Galápagos mockingbirds. *Ecology and Evolution*, 10, 13345–13354.
107. Heni AC, Schmid J, Rasche A, Corman VM, Drosten C, **Sommer S** (2020) Pathogen-associated selection on innate immunity genes (TLR4, TLR7) in a neotropical rodent in landscapes differing in anthropogenic disturbance. *Heredity*, 125, 184-199. doi.org/10.1038/s41437-020-0331-y.
106. Jiménez RR, Alvarado G, Sandoval J, **Sommer S** (2020) Habitat disturbance influences the skin microbiome of a rediscovered neotropical-montane frog. *BMC Microbiology*, 20, 292.
105. Paraskevopoulou S, Pirzer F, Schmid J, Corman VM, Schroeder S, Rasche A, Muth D, Goldmann N, Gottula LT, Drexler JF, Heni AC, Eibner GJ, Page R, Jones TC, Müller MA, **Sommer S**, Glebe D, Drosten C (2020) Mammalian hepatitis delta virus without hepadnavirus coinfection in the neotropical rodent *Proechimys semispinosus*. *PNAS*, 117 (30), 17977-17983. doi: org/10.1073/pnas.2006750117
104. **Sommer S**, Carleton MD. Natural history of *Hypogeomys antimena*, the Malagasy Giant Jumping Rat. In Goodman, S. M. (ed.) (in press). *The new natural history of Madagascar*. Princeton, Princeton University Press.
103. Viquez-R L, Fleischer R, Wilhelm K, Tschapka M, **Sommer S** (2020) Jumping the green wall: the use of PNA-DNA clamps to enhance microbiome sampling depth in wildlife microbiome research. *Ecology and Evolution*, 10, 11779-11786. DOI: 10.1002/ece3.6814.
102. Volleth M, Müller S, **Sommer S**, Santos P (2020) Cytogenetic investigations in Emballonuroidea: Extensive chromosomal reorganization characterizes the karyotype of *Saccopteryx bilineata*. *Acta Chiropterologica*, 22(1), 49–55.

**2019**

101. Fackelmann G, **Sommer S** (2019) Microplastics and the gut microbiome: how chronically exposed species may suffer from gut dysbiosis. *Marine Pollution Bulletin*, 143, 193-203.
100. Gillingham MAF, Béchet A, Cézilly FW, Wilhelm K, Rendón-Martos M, Amat JA, Borghesi F, Nissardi S, Baccetti N, Menke S, Kayser Y, **Sommer S** (2019) Offspring microbiomes differ across breeding sites in a panmictic species. *Frontiers in Microbiology*, 10, 35.
99. Jiménez RR, Alvarado G, Estrella J, **Sommer S** (2019) Moving beyond the host: unravelling the skin microbiome of endangered Costa Rican amphibians. *Frontiers in Microbiology*, 10, 2060.
98. Menke S, Heurich M, Henrich M, Wilhelm K, **Sommer S** (2019) Impact of winter enclosures on the gut bacterial microbiota of red deer in the Bavarian Forest National Park. *Wildlife Biology*, 2019(1). DOI: 10.2981/wlb.00503.

97. Montero K, Ramanamanjato J-B, Ernest R, Rakotondranary SJ, Ganzhorn JU, **Sommer S** (2019) Challenges of NGS in conservation management: insights from long-term monitoring of corridor effects on the genetic diversity of mouse lemurs in a fragmented landscape. *Evolutionary Applications*, 12, 425-442.
96. Qurkhuli T, Schwensow N, Brändel SD, Tschapka M, **Sommer S** (2019) Can extreme MHC class I diversity be a feature of a wide geographic range? The example of Seba's short-tailed bat (*Carollia perspicillata*). *Immunogenetics*, 71(8), 575-587.
95. Schwensow N, Castro-Prieto A, Wachter B, **Sommer S** (2019) Immunological MHC supertypes and allelic expression: how low is the functional MHC variability in wild endangered Namibian cheetahs? *Conservation Genetics*, 20(1), 65-80.
94. Šrut M, Menke S, Höckner M, **Sommer S** (2019) Earthworms and Cadmium - heavy metal resistant gut bacteria as indicators for heavy metal pollution in soils? *Ecotoxicology and Environmental Safety*, 171, 843-853.
93. Wasimuddin, Corman VM, Ganzhorn JU, Rakotondranary SJ, Ratovonamana YR, Drosten C, **Sommer S** (2019) Adenovirus infection is associated with altered gut microbial communities in a non-human primate. *Scientific Reports*, 9, 13410.

## 2018

92. Santos PSC, Mezger M, Kolar M, Michler F-U, **Sommer S** (2018) The best smellers make the best choosers: mate choice is affected by female chemosensory receptor gene diversity in a mammal. *Proceedings of the Royal Society London B*, 285, 20182426.
91. Schmid J, Rasche A, Eibner G, Jeworowski L, Page RA, Corman VM, Drosten C, **Sommer S** (2018) Ecological drivers of *Hepacivirus* infection in a Neotropical rodent inhabiting landscapes with various degrees of human environmental change. *Oecologia*, 188(1), 289-302.
90. Schmidt-Küntzel A, Dalton DL, Menotti-Raymond M, Fabiano E, Charruau P, Johnson WE, **Sommer S**, Marker L, Kotzé A, O'Brien S (2018) Conservation genetics of the cheetah (*Acinonyx jubatus*): genetic history and implications for conservation. In: *Cheetahs: Biology and Conservation of Cheetahs* (edited by L Marker, L Boast, A Schmidt-Küntzel). Biodiversity of the World: Conservation from Genes to Landscapes (series editor: PJ Nyhus). Academic Press, USA.
89. Wasimuddin, Brändel SD, Tschapka M, Page R, Rasche A, Corman VM, Drosten C, **Sommer S** (2018) Astrovirus infections induce age-dependent dysbiosis in gut microbiomes of bats. *The ISME Journal*, 12, 2883-2893. DOI: 10.1038/s41396-018-0239-1.

## 2017



88. Borghesi B, Dinelli E, Migani F, Béchet A, Rendón-Martos M, Amat JA, **Sommer S**, Gillingham MAF (2017) Assessing environmental pollution in birds: a new methodological approach for interpreting bioaccumulation of trace elements in feather shafts using geochemical sediment data. *Methods in Ecology and Evolution*, 8, 96-108.
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86. Jiménez Randall R, **Sommer S** (2017) The amphibian microbiome: natural range of variation, pathogenic dysbiosis and role in conservation. *Biodiversity and Conservation*, 26(4), 763-786.
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84. Menke S, Meier M, Mfune JKE, Melzheimer J, Wachter B, **Sommer S** (2017) Effect of host traits and land-use changes on the gut microbiome of the Namibian black-backed jackal (*Canis mesomelas*). *FEMS*, 93(11), DOI: 10.1093/femsec/fix123.
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