

# Publications

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## In Review

- **Brook CE**, Ng M, Boots M, Dobson A, Graham A, Grenfell B, Chandran KC, van Leeuwen A. In Review. Within-host dynamics of virulent viruses in bat reservoirs for emerging zoonotic disease. eLife. doi (preprint): 10.1101/696195.

## 2019

- Guth S, Visser E, Boots M, and **Brook CE**. In Press. Host phylogenetic distance drives trends in viral virulence and transmissibility across the animal-human interface. Philosophical Transactions of the Royal Society.
- **Brook CE**, Ranaivoson HC, Broder CC, Cunningham AA, Héraud JM, Peel AJ, Gibson L, Wood JLN, Metcalf CJE\*, and Dobson AP\*. 2019. Disentangling serology to elucidate henipa- and filovirus transmission in Madagascar fruit bats. Journal of Animal Ecology. Early View. doi: 10.1111/1365-2656.12985. \*=equal senior contributions. *Profiled in JAE blog here*.
- **Brook CE**, Ranaivoson HC, Andriafidison D, Ralisata M, Razafimanahaka J, Héraud JM, Dobson AP, and Metcalf CJE. 2019. Population trends for two Malagasy fruit bats. Biological Conservation. 234: 165-171. doi: 10.1016/j.biocon.2019.03.032.
- Ranaivoson HC, Héraud JM, Goethert HK, Telford SR, Rabetafika L\* and **Brook CE\***. Babesial infection in the Malagasy flying fox, *Pteropus rufus* É. Geoffroy, 1803. 2019. Parasites & Vectors. 12(51): 1307101933. doi: 10.1186/s13071-019-3300-7. \*=equal senior contributions

## 2018

- **Brook CE**, Herrera JP, Borgerson C, Fuller E, Andriamahazoarivosoa P, Rasolofoniaina BJR, Randrianasolo JLRR, Rakotondrafarasata ZRE, Randriamady HJ, Dobson AP, and Golden CD. 2018. Population viability and harvest sustainability for Madagascar lemurs. Conservation Biology. doi: 10.1111/cobi.13151.

## 2017

- **Brook CE**, Bai Y, Yu EO, Ranaivoson HC, Shin H, Dobson AP, Metcalf CJE\*, Kosoy MY\* and Dittmar K\*. 2017. Elucidating transmission dynamics and host-parasite-vector relationships for rodent-borne *Bartonella* spp. in Madagascar. Epidemics 20:56-66. \*= equal senior contributions doi: 10.1016/j.epidem.2017.03.004.

## 2016

- Wesolowski A\*, Mensah K\*, **Brook CE\***, Andrianjafimasy M, Winter A, Buckee CO, Razafindratsimendresy R, Tatem AJ, Héraud J-M\*\*, and Metcalf CJE. 2016\*\*. Introduction of Rubella-Containing-Vaccine to Madagascar: Implications for roll-out and local elimination across low-income countries. Journal of the Royal Society Interface. 13(177): 20151101. \* = equal lead contributions; \*\*=equal senior contributions. doi: 10.1098/rsif.2015.110.

## 2015

- **Brook CE**, Beauclair R, Ngwenya O, Worden L, Ndeffo-Mbah M, Lietman TM, Satpathy SK, Galvani AP, and Porco TP. 2015. Spatial heterogeneity in projected leprosy trends in India. Parasites & Vectors 8(542): 2-11. doi: 10.1186/s13071-015-1124-7.
- Rist CL, Ngonghala CN, Garchitorena A, **Brook CE**, Ramananjato, Miller RC, Randrianarivelosia M, Wright PC, Gillespie TR, and Bonds MH. 2015. Modeling the burden of poultry disease on the rural poor in Madagascar. One Health. doi: 10.1016/j.onehlt.2015.10.002.

- **Brook CE**, Bai Y, Dobson AP, Osikowicz L, Ranaivoson HC, Zhu Q, Kosoy MY, and Dittmar K. 2015. *Bartonella* spp. in fruit bats and blood-feeding ectoparasites in Madagascar. PLoS Neglected Tropical Diseases. 10 (2):e0003532. doi: 10.1371/journal.pntd.0003532.
- **Brook CE** and Dobson AP. 2015. Bats as ‘special’ reservoirs for emerging zoonotic pathogens. Trends in Microbiology. doi:10.1016/j.tim.2014.12.004[<https://doi.org/10.1016/j.tim.2014.12.004>].
- Guyton J and **Brook CE**. 2015. African Bats: Conservation in the Time of Ebola. Therya. 6(1): 69-88. doi: 10.12933/therya-15-244.
- Young HS, McCauley DJ, Dirzo R, Goheen JR, Agwanda B, **Brook CE**, Castillo EO, Ferguson AW, Nyaga SN, McDonough MM, Palmer TM, Pringle RM, Young TP, and Helgen KM. 2015. Context dependence of land-use change on small mammal communities. Ecological Applications (25):348–60. doi: 10.1890/14-0995.1.

## 2013

- **Brook CE**, Bernstein DP, and Hadly EA. 2013. Human food subsidies and Common Raven occurrence in Yosemite National Park, CA. Western Birds 44(2):127-34.