

# Publications

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## In Revision

- **Brook CE**, Boots M, Chandran KC, Dobson AP, Drosten C, Graham AL, Grenfell BT, Müller MA, Ng M, Wang L-F, and van Leeuwen A. In Revision. The importance of cellular-scale viral dynamics in bat reservoirs for emerging zoonotic disease. *eLife*. doi (preprint): 10.1101/696195.

## 2019

- **Brook CE**. 2019. A batty concept goes viral. *Nature Ecology & Evolution*. doi: 10.1038/s41559-019-1045-5.
- Guth S, Visher E, Boots M, and **Brook CE**. 2019. Host phylogenetic distance drives trends in virus virulence and transmissibility across the animal-human interface. *Philosophical Transactions of the Royal Society*. 374(1782): 20190296. doi: 10.1098/rstb.2019.0296.
- **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*. 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 Madagascan 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, Randrianarivelojosia 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.
- 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.