

Publications

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2020

- **Brook CE**, Boots M, Chandran KC, Dobson AP, Drosten C, Graham AL, Grenfell BT, Müller MA, Ng M, Wang LF, and van Leeuwen A. 2020. Accelerated viral dynamics in bat cell lines, with implications for zoonotic emergence. *eLife*. doi: 10.7554/eLife.48401.
 - Profiled in the National Science Foundation’s ‘4 Awesome Discoveries’ video series here.
 - Covered in Science News, Berkeley News, the Daily Cal

2019

- **Brook CE**. 2019. A batty concept goes viral. *Nature Ecology & Evolution*. doi: 10.1038/s41559-019-1045-5.
- Guth S, Visser 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, Rakotondrafasata 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.
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- **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.