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Education

2014-2019 BSc in Mathematics and Statistics (Honours), McMaster University, Hamilton, ON, Canada
2019- Graduate student in Ecology and Evolutionary Biology, Princeton University, Princeton, NJ, USA

Publications & talks

ORCID: 0000-0003-2202-3361. See Google Scholar for links to articles.

Journal articles

2019 **Park, S. W.**, and Bolker, B.M. A note on observation processes in epidemic models. *In review*. https://arxiv.org/abs/1911.11948

2019 **Park, S. W.**, Champredon, D., and Dushoff, J. Inferring generation-interval distributions from contact-tracing data. *In review*. https://www.biorxiv.org/content/10.1101/683326v1.

2019 **Park, S. W.**, Champredon, D., Weitz, J. S., and Dushoff, J. 2019. A practical generation-interval-based approach to inferring the strength of epidemics from their speed. *Epidemics*, 27: 12-18.

2018 **Park, S.W.**, Dushoff, J., Earn, D.J.D., Poinar, H., and Bolker, B.M., 2018. Human ectoparasite transmission of the plague during the Second Pandemic is only weakly supported by proposed mathematical models. *Proceedings of the National Academy* of Sciences, 115(34): E7892-E7893.

2017 **Park, S.W.**, and Bolker, B.M., 2017. Effects of contact structure on the transient evolution of HIV virulence. *PLoS Computational Biology*, 13(3): e1005453.

2017 Rekart, M.L., Ndifon, W., Brunham, R.C., Dushoff, J., **Park, S.W.**, Rawart, S., and Cameron, C.E., 2017. A double-edged sword: does highly active antiretroviral therapy contribute to syphilis incidence by impairing immunity to Treponema pallidum?. *Sexually Transmitted Infections*, 93(5): 374-378.

Software

2019 **Park, S.W.**, Earn, D.J.D., and Bolker, B.M. `fitode`: general purpose ODE model fitting tool in `R` using sensitivity equations. *In development*. Available on: https://github.com/parksw3/fitode.

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