

PUBLICATIONS IN REFEREED JOURNALS (ORCID ID: 0000-0002-0274-6143)

*SENIOR AUTHOR ^CORRESPONDING AUTHOR + STUDENT MENTORED BY JK PETERSON

22. Varian CP, Saldaña A, Calzada JE, Abad-Franch F, Kieran TJ, Padukone A+, Peterson JK, Gottdenker NL. (2023). Community structure and microenvironment affect Chagas disease vector infection and abundance in a rural landscape. *Ecosphere*: 14(1): e4347.
21. Arevalo-Nieto C, Sheen J+, Condori-Luna GF, Shinnick J, Peterson JK, Castillo-Neyra R, Levy MZ. (2022). Incentivizing Multiple Objectives in Evidence-based, Active Surveillance for Urban Disease Vectors. *PLOS Glob Public Health* 2(8): e0000145
20. Peterson JK, Bazuka J, Standley CJ. (2021). One Health and Neglected Tropical Diseases – Multisectoral solutions to endemic challenges. *Tropical Medicine and Infectious Diseases*: 6(1): 4.
19. Billig Rose E, Roy JA, Castillo-Neyra R, Ross ME, Condori-Pino C, Peterson JK, Naquira-Velarde C, Levy MZ. (2020). A real-time search strategy for finding urban disease vector infestations. *Epidemiologic Methods*: 9(1).
18. Hylton A+, Fitzpatrick DM, Suepaul R+, Dobson AP, Charles RA, Peterson JK*^ . (2020). Preliminary characterization of triatomine bug blood meals on the island of Trinidad reveals opportunistic feeding behavior on both human and animal hosts. *Tropical Medicine and Infectious Diseases*: 5(4): 166. Paper resulting from A. Hylton undergraduate senior thesis, supervised by JK Peterson.
17. Peterson JK*^, Yoshioka K, Hashimoto K, Caranci A, Gottdenker N, Dorn P, Monroy C, Rodriguez S, Saldaña A, Zuniga C. (2019). Epidemiology of Chagas disease in Central America: An Update. *Current Tropical Medicine Reports*: 6, 92-105.
16. Peterson JK*^, Hashimoto K, Yoshioka K, Dorn P, Gottdenker N, Caranci A, Stevens L, Zúniga C, Saldaña A, Rodriguez S, Monroy C. (2019). Chagas disease in Central America: Recent findings and current challenges in vector ecology and control. *Current Tropical Medicine Reports*. 6, 76-91.
15. Gutfraind A¹, Peterson JK (Co-first author)¹, Billig Rose E, Arevalo-Nieto C, Sheen J+, Condori-Luna GF, Tankasala N, Castillo-Neyra R, Condori-Pino C, Anand P, Naquira-Velarde C, Levy MZ. (2018). Integrating evidence, models, and maps to enhance Chagas disease vector surveillance. *PLoS Neglected Tropical Diseases*: 12(11): e0006883. Both authors contributed equally to this work.
14. Peterson JK¹, Salazar R¹, Castillo-Neyra R, Borrini K, Condori C, Bartow-McKenney C, Tracy D, Naquira C, Levy, MZ. (2018). Trypanosoma cruzi infection does not decrease survival or reproduction of the common bed bug, Cimex lectularius. *Am J Trop Med Hyg*: 98(3): 724-734.
¹Both authors contributed equally to this work.

13. Cucunubá ZM, Nouvellet P, Peterson JK, Bartsch SM, Lee BY, Dobson AP, Basañez MG. (2018). Complementary Paths to Chagas Disease Elimination: The Impact of Combining Vector Control with Aetiological Treatment. *Clinical Infectious Diseases*: 66(suppl_4): S293–S300.
12. Bartsch SM, Peterson JK, Hertenstein DL, Skrip L, Ndeffo-Mbah M, Galvani A, Dobson AP, Lee BY. (2017). Comparison and validation of two computational models of Chagas disease: a thirty year perspective from Venezuela. *Epidemics*: 18:81-91.
11. Peterson JK[^], Graham AL, Elliott RJ⁺, Dobson AP, Triana Chávez O. (2016). Trypanosoma cruzi -Trypanosoma rangeli co-infection ameliorates negative effects of single trypanosome infections in experimentally infected Rhodnius prolixus. *Parasitology*: 143(9): 1157-67. Contains work resulting from R. Elliott undergraduate senior thesis, supervised by JK Peterson.
10. Peterson JK[^], Graham AL. (2016). What are the ‘true’ effects of T. rangeli on its triatomine bug vector? *Journal of Vector Ecology*: 41(1):27-33.
9. Gottdenker NL, Chávez LF, Calzada JE, Peterson JK, Santamaría A, Pineda V, Saldaña A. (2016). Trypanosoma cruzi and Trypanosoma rangeli co-infection patterns in insect vectors vary across habitat types in a fragmented forest landscape. *Parasitology Open*: 2, E10.
8. Peterson JK[^], Bartsch SM, Lee BY, Dobson, AP. (2015). Broad patterns in domestic vector-borne Trypanosoma cruzi transmission dynamics: synanthropic animals and vector control. *Parasites & Vectors*: 8:537.
7. Peterson JK[^], Graham AL, Dobson AP, Triana Chavez, O. (2015). Rhodnius prolixus life history outcomes differ when infected with different Trypanosoma cruzi I strains. *American Journal of Tropical Medicine and Hygiene*: 2;93(3): 564-72.
6. Hollingsworth TD, Adams ER, Anderson RM, [and 43 others, including, Peterson JK]. (2015). Quantitative analyses and modeling to support achievement of the 2020 goals for nine neglected tropical diseases. *Parasites & Vectors*: 8:630.
5. Castro LA¹⁺, Peterson JK (Co-first author)¹, Saldaña A, Peirrerá MY, Calzada JE, Pineda V, Dobson AP, Gottdenker NL. (2014). Use of a tethered flight mill to measure flight behavior and performance of *Rhodnius pallelescens*. *Journal of Medical Entomology* 51(5): 1010-1018. ¹Both authors contributed equally to this work.
4. Echeverry-Galvis MA, Peterson JK, Sulo R. (2014). The Social Network: Tree Structure Determines Nest Placement in Kenyan Weaver Bird Colonies. *PLoS ONE* 9(2): e88761.
3. Dias IMG, Amato G, Cunha HM, DeSalle R, Paglia AP, Peterson JK, Fonseca CG. (2009). Isolation, characterization, and cross-species amplification of new microsatellite markers

for three opossum species of the Didelphidae family. Conservation Genetics Resources 1,1: 405-410.

2. Hutton RL⁺, Triana O, Dobson AP, Peterson JK*. (2023). Disease vector knowledge and healthcare seeking behavior in an endemic urban landscape. In prep. Target journal: Parasites and vectors. Manuscript resulting from R. Hutton undergraduate senior thesis, supervised by JK Peterson.
1. Peterson JK, Dobson AP, Triana O, Graham AL. (2023). Infection event characteristics that influence *Rhodnius prolixus* survival. In prep. Target journal: Ecological entomology.