



Lisa Isabel Couper

Ph.D. Student in Biology, admitted Autumn 2018

Publications

PUBLICATIONS

- **Ecological drivers of dog heartworm transmission in California.** *Parasites & vectors*
Couper, L. I., Mordecai, E. A.
2022; 15 (1): 388
- **Host blood meal identity modifies vector gene expression and competency.** *Molecular ecology*
Ring, K., Couper, L. I., Sapiro, A. L., Yarza, F., Yang, X. F., Clay, K., Mateusiak, C., Chou, S., Sweig, A.
2022
- **How will mosquitoes adapt to climate warming?** *eLife*
Couper, L. I., Farner, J. E., Caldwell, J. M., Childs, M. L., Harris, M. J., Kirk, D. G., Nova, N., Shocket, M., Skinner, E. B., Uricchio, L. H., Exposito-Alonso, M., Mordecai, E. A.
2021; 10
- **Multi-year drought exacerbates long-term effects of climate on an invasive ant species.** *Ecology*
Couper, L. I., Sanders, N. J., Heller, N. E., Gordon, D. M.
2021: e03476
- **The influence of vector-borne disease on human history: socio-ecological mechanisms.** *Ecology letters*
Athni, T. S., Shocket, M. S., Couper, L. I., Nova, N., Caldwell, I. R., Caldwell, J. M., Childress, J. N., Childs, M. L., De Leo, G. A., Kirk, D. G., MacDonald, A. J., Olivarius, K., Pickel, et al
2021
- **The impact of long-term non-pharmaceutical interventions on COVID-19 epidemic dynamics and control: the value and limitations of early models.** *Proceedings. Biological sciences*
Childs, M. L., Kain, M. P., Harris, M. J., Kirk, D., Couper, L., Nova, N., Delwel, I., Ritchie, J., Becker, A. D., Mordecai, E. A.
2021; 288 (1957): 20210811
- **Environmental Drivers of Vector-Borne Diseases** *POPULATION BIOLOGY OF VECTOR-BORNE DISEASES*
Shocket, M. S., Anderson, C. B., Caldwell, J. M., Childs, M. L., Couper, L. I., Han, S., Harris, M. J., Howard, M. E., Kain, M. P., MacDonald, A. J., Nova, N., Mordecai, E. A., Drake, et al
2021: 85-118
- **Impact of prior and projected climate change on US Lyme disease incidence.** *Global change biology*
Couper, L. I., MacDonald, A. J., Mordecai, E. A.
2020
- **The impact of long-term non-pharmaceutical interventions on COVID-19 epidemic dynamics and control.** *medRxiv : the preprint server for health sciences*
Childs, M. L., Kain, M. P., Kirk, D., Harris, M., Couper, L., Nova, N., Delwel, I., Ritchie, J., Mordecai, E. A.
2020
- **Comparative vector competence of North American Lyme disease vectors.** *Parasites & vectors*
Couper, L. I., Yang, Y., Yang, X. F., Sweig, A.

2020; 13 (1): 29

- **Comparative Microbiome Profiles of Sympatric Tick Species from the Far-Western United States.** *Insects*
Chicana, B., Couper, L. I., Kwan, J. Y., Tahiraj, E., Swei, A.
2019; 10 (10)
- **Patterns, Drivers, and Challenges of Vector-Borne Disease Emergence.** *Vector borne and zoonotic diseases (Larchmont, N.Y.)*
Swei, A. n., Couper, L. I., Coffey, L. L., Kapan, D. n., Bennett, S. n.
2019
- **Drivers and patterns of microbial community assembly in a Lyme disease vector.** *Ecology and evolution*
Couper, L. I., Kwan, J. Y., Ma, J. n., Swei, A. n.
2019; 9 (13): 7768–79
- **Tick Microbiome Characterization by Next-Generation 16S rRNA Amplicon Sequencing** *JOVE-JOURNAL OF VISUALIZED EXPERIMENTS*
Couper, L., Swei, A.
2018