Stanford

Caroline Glidden

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Bio

ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Biology
- Postdoctoral Fellow, Institute for Human-Centered Artificial Intelligence (HAI)

Publications

PUBLICATIONS

- **Distinct life history strategies underpin clear patterns of succession in microparasite communities infecting a wild mammalian host.** *Molecular ecology*
  Glidden, C. K., Karakoc, C., Duan, C., Jiang, Y., Beechler, B., Jabbar, A., Jolles, A. E.
  2023
- **Human footprint is associated with shifts in the assemblages of major vector-borne diseases** *NATURE SUSTAINABILITY*
  Skinner, E. B., Glidden, C. K., MacDonald, A. J., Mordecai, E. A.
  2023
- **Data-driven predictions of potential Leishmania vectors in the Americas.** *PLoS neglected tropical diseases*
  Vadmal, G. M., Glidden, C. K., Han, B. A., Carvalho, B. M., Castellanos, A. A., Mordecai, E. A.
  2023; 17 (2): e0010749
- **Human-mediated impacts on biodiversity and the consequences for zoonotic disease spillover.** *Current biology : CB*
  Glidden, C. K., Nova, N., Kain, M. P., Lagerstrom, K. M., Skinner, E. B., Mandle, L., Sokolow, S. H., Plowright, R. K., Dirzo, R., De Leo, G. A., Mordecai, E. A.
  2021; 31 (19): R1342-R1361
- **A systematic review of climate-change driven range shifts in mosquito vectors.** *bioRxiv : the preprint server for biology*
  Lyberger, K., Robinson, A. R., Couper, L., Delwel, I., Glidden, C., Qian, C., Burslem, A., Fernandez, F., Gao, B., Garcia, G., Gomez, J., Griffin, C., Jackson, et al
  2025
- **Mapping schistosomiasis risk landscapes and implications for disease control: A case study for low endemic areas in the Middle Paranapanema river basin, São Paulo, Brazil.** *PLoS neglected tropical diseases*
  Ferreira da Silva, V. A., Kampel, M., Silva Dos Anjos, R., Gardini Sanches Palasio, R., Escada, M. I., Tuan, R., Singleton, A., Glidden, C. K., Chamberlin, A., De Leo, G. A., Pinter Dos Santos, A., Vieira Monteiro, A. M.
  2024; 18 (11): e0012582
- **Temperature dependence of mosquitoes: Comparing mechanistic and machine learning approaches.** *PLoS neglected tropical diseases*
  Athni, T. S., Childs, M. L., Glidden, C. K., Mordecai, E. A.
  2024; 18 (9): e0012488
- **Climate and urbanization drive changes in the habitat suitability of Schistosoma mansoni competent snails in Brazil.** *Nature communications*
  Glidden, C. K., Singleton, A. L., Chamberlin, A., Tuan, R., Palasio, R. G., Caldeira, R. L., Monteiro, A. M., Lwiza, K. M., Liu, P., Silva, V., Athni, T. S., Sokolow, S. H., Mordecai, et al
  2024; 15 (1): 4838

- **Species distribution modeling for disease ecology: A multi-scale case study for schistosomiasis host snails in Brazil.** *PLOS global public health*
  Singleton, A. L., Glidden, C. K., Chamberlin, A. J., Tuan, R., Palasio, R. G., Pinter, A., Caldeira, R. L., Mendonca, C. L., Carvalho, O. S., Monteiro, M. V., Athni, T. S., Sokolow, S. H., Mordecai, et al
  2024; 4 (8): e0002224
- **Human footprint is associated with shifts in the assemblages of major vector-borne diseases.** *Nature sustainability*
  Skinner, E. B., Glidden, C. K., MacDonald, A. J., Mordecai, E. A.
  2023; 6 (6): 652-661
- **Phylogenetic and biogeographical traits predict unrecognized hosts of zoonotic leishmaniasis.** *PLoS neglected tropical diseases*
  Glidden, C. K., Murran, A. R., Silva, R. A., Castellanos, A. A., Han, B. A., Mordecai, E. A.
  2023; 17 (5): e0010879
- **Strategies for managing marine disease** *ECOLOGICAL APPLICATIONS*
  Glidden, C. K., Field, L. C., Bachhuber, S., Hennessey, S. M., Cates, R., Cohen, L., Crockett, E., Degnin, M., Feezell, M. K., Fulton-Bennett, H. K., Pires, D., Poirson, B. N., Randell, et al
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- **EXPLORING THE USE OF THE ERYTHROCYTE SEDIMENTATION RATE AS AN INFLAMMATORY MARKER FOR FREE-RANGING WILDLIFE: A CASE STUDY IN AFRICAN BUFFALO (SYNCERUS CAFFER)** *JOURNAL OF WILDLIFE DISEASES*
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  2022; 58 (2): 298-308
- **Corrigendum: Global Patterns of the Fungal Pathogen Batrachochytrium dendrobatidis Support Conservation Urgency.** *Frontiers in veterinary science*
  Olson, D. H., Ronnenberg, K. L., Glidden, C. K., Christiansen, K. R., Blaustein, A. R.
  2022; 9: 825058
- **Global Patterns of the Fungal Pathogen Batrachochytrium dendrobatidis Support Conservation Urgency.** *Frontiers in veterinary science*
  Olson, D. H., Ronnenberg, K. L., Glidden, C. K., Christiansen, K. R., Blaustein, A. R.
  2021; 8: 685877