Stanford



Samantha Sambado

Postdoctoral Scholar, Biology

Curriculum Vitae available Online

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Santa Barbara (2025)
- Master of Arts, University of California Santa Barbara (2024)
- MS, San Francisco State University , Microbiology (2019)
- BS, University of California Los Angeles , Ecology & Evolutionary Biology (2016)

STANFORD ADVISORS

- Erin Mordecai, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: https://samsambado.weebly.com/
- Google Scholar: https://scholar.google.com/citations?hl=en&user=o61vz5oAAAAJ

Publications

PUBLICATIONS

- **Dengue transmission risk in California under climate and land-use change: a semi-mechanistic modelling study.** *Lancet regional health. Americas*
  Couper, L. I., Sipin, T. J., Sambado, S., Rennie, Z., Shanebeck, K. M., Lyberger, K. P., Collender, P. P., Ngo, V., Remais, J. V., MacDonald, A. J.
  2026; 60: 101509

- **Ecological and socioeconomic factors associated with globally reported tick-borne viruses.** *Communications medicine*
  Sambado, S., Ryan, S. J.
  2026

- **Wildfire disturbance and ecological cascades: Teasing apart the direct and indirect effects of fire on tick populations** *JOURNAL OF APPLIED ECOLOGY*
  Sambado, S., Dayton, G., Zilliacus, K. M., Dewees, S., MacDonald, A. J., Briggs, C. J.
  2025

- **The paradoxical impact of drought on West Nile virus risk: insights from long-term ecological data.** *Proceedings. Biological sciences*
  Sambado, S., Sipin, T. J., Rennie, Z., Larsen, A., Cunningham, J., Quandt, A., Sousa, D., MacDonald, A. J.
  2025; 292 (2054): 20251365

- **Climate differentially impacts ticks infected and uninfected with Borrelia burgdorferi** *SCIENCE ADVANCES*
  Broughton, H., Crews, A., Lilly, M., Sambado, S., Salomon, J., Lawrence, A., Ring, K., Clark, J., Shaw, G., Summers, S., Nakano, A., Swei, A.
  2025; 11 (29): eads2181

- **Functional vertebrate group diversity differentially impacts vector-borne pathogen transmission and genetic diversity** *ECOSPHERE*
  Lilly, M., Crews, A., Lawrence, A., Salomon, J., Sambado, S., Cerna, L., Ring, K., Peng, C., Shaw, G., Summers, S., Swei, A.
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- **Variable effects of wildlife and livestock on questing tick abundance across a topographical-climatic gradient** *ECOSPHERE*
  Copeland, S., Sambado, S., Orr, D., Bui, A., Swei, A., Young, H. S.
  2025; 16 (2)
- **The roles of habitat isolation, landscape connectivity and host community in tick-borne pathogen ecology** *ROYAL SOCIETY OPEN SCIENCE*
  Shaw, G., Lilly, M., Mai, V., Clark, J., Summers, S., Slater, K., Karpathy, S., Nakano, A., Crews, A., Lawrence, A., Salomon, J., Sambado, S., Swei, et al
  2024; 11 (11): 240837
- **Remote sensing of temperature-dependent mosquito and viral traits predicts field surveillance-based disease risk** *ECOLOGY*
  MacDonald, A. J., Hyon, D., Sambado, S., Ring, K., Boser, A.
  2024; 105 (11): e4420