



## Samantha Sambado

Postdoctoral Scholar, Biology

 Curriculum Vitae available Online

### Bio

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#### 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

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#### PUBLICATIONS

- **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.  
2025; 16 (6)
- **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