JAELYN BOS

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EDUCATION

PhD Candidate, Ecology and Evolutionary Biology   2023 - present
University of California Santa Cruz

PhD Candidate, Ecology and Evolution   2020 - 2023
Rutgers University School of Environmental and Biological Sciences
GPA: 4.00 / 4.00

B.S. in Environmental Science and B.A. in Biology   2017
University of Maryland, Baltimore County (UMBC), *Summa cum laude*
GPA: 3.95 / 4.00

GRANTS & FELLOWSHIPS

Stephenson Explorers Advancement Program grant recipient	2023
Lewis & Clark Fund for Exploration and Field Research grant recipient	2023
Rutgers Ecology and Evolution Small Grant recipient	2022
National Defense Science and Engineering Graduate Fellowship	2021 - 2024
France-Merrick Fellowship, The Shriver Service Learning Center at UMBC	2017 - 2018

PROFESSIONAL & RESEARCH EXPERIENCE

Graduate student researcher, Pinsky Lab   2020 - Present
Rutgers University and *UC Santa Cruz Ecology and Evolutionary Biology Graduate Program*

Visiting Graduate Researcher   2023 - Present
Lúrio University College of Natural Sciences (UniLúrio Faculdade de Ciências Naturais)
Pemba, Cabo Delgado, Mozambique

Fire Effects Monitoring Technician   2020
US National Park Service, Northern Great Plains Fire Management Office
Hot Springs, SD

Undergraduate Research Assistant , Baker Lab   2014 - 2017
UMBC Department of Geography and Environmental Systems
Baltimore, MD

TEACHING AND OUTREACH EXPERIENCE

Teaching assistant, Field Biology in Practice   2024 - 2025
University of California, Santa Cruz.

Teaching assistant, Intro to Physiology and Development   2025
University of California, Santa Cruz.

Undergraduate research supervisor   2024-2025
Lurio University, Pemba, Mozambique

Secondary School Biology Teacher   2017 - 2019
Peace Corps Mozambique. Nampula Province, Mozambique

Service Learning Student Coordinator   2014 - 2017
University of Maryland, Baltimore County Shriver Center. Baltimore, MD

PUBLICATIONS

Bos, J.T. and Pinsky, M.L. Satellite sea surface temperatures capture the conditions experienced by corals at monthly but not daily timescales. *Coral Reefs.* (2025).

Pinsky, M.L., Clark, R.D., **Bos, J.T.** Coral Reef Population Genomics in an Age of Global Change. *Annual Review of Genetics.* 57:2.1–2.29 (2023).

Baker, M.E., Yesilonis, I., Templeton, L., Shobe, B., **Bos, J.T.**, Sonti, N. & Lautar, K. Distributed urban forest patch sampling detects edge effects and woodland condition for monitoring and management. *Ecosphere.* (2025).

SELECTED PRESENTATIONS

Bos, J.T., McManus, L.C., & Pinsky, M.L. Dispersal and cryptic speciation in *Acropora tenuis. American Society of Naturalists Meeting.* January 2025.

Bos, J.T., McManus, L.C., & Pinsky, M.L. Spatial genetic structure of *Acropora tenuis* in the central Philippines. *Ecological Society of America Annual Meeting.* August 2024.

Bos, J.T. and Pinsky, M.L. Predicting fine-scale climate on tropical coral reefs. *International Coral Reef Symposium 2022.* July 2022.

SKILLS

Programming: Python, R | **Version control:** Git | **Languages:** Portuguese, Spanish, Makhua
Other: PADI Rescue Diver certification. AAUS Scientific Diving Certification.