

# Stanford

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## Brendan Cornwell

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### Bio

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#### STANFORD ADVISORS

- Stephen Palumbi, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Extent and reproduction of coastal species on plastic debris in the North Pacific Subtropical Gyre.** *Nature ecology & evolution*  
Haram, L. E., Carlton, J. T., Centurioni, L., Choong, H., Cornwell, B., Crowley, M., Egger, M., Hafner, J., Hormann, V., Lebreton, L., Maximenko, N., McCuller, M., Murray, et al  
2023
- **Small-scale genetic structure of coral populations in Palau based on whole mitochondrial genomes: Implications for future coral resilience.** *Evolutionary applications*  
Palumbi, S. R., Walker, N. S., Hanson, E., Armstrong, K., Lippert, M., Cornwell, B., Nestor, V., Golbuu, Y.  
2023; 16 (2): 518-529
- **Small-scale genetic structure of coral populations in Palau based on whole mitochondrial genomes: Implications for future coral resilience** *EVOLUTIONARY APPLICATIONS*  
Palumbi, S. R., Walker, N. S., Hanson, E., Armstrong, K., Lippert, M., Cornwell, B., Nestor, V., Golbuu, Y.  
2023
- **"Reference genome assembly of the sunburst anemone, *Anthopleura sola*".** *The Journal of heredity*  
Cornwell, B. H., Beraut, E., Fairbairn, C., Nguyen, O., Marimuthu, M. P., Escalona, M., Toffelmier, E.  
2022
- **From coral reefs to Joshua trees: What ecological interactions teach us about the adaptive capacity of biodiversity in the Anthropocene.** *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*  
Lagerstrom, K. M., Vance, S., Cornwell, B. H., Ruffley, M., Bellagio, T., Exposito-Alonso, M., Palumbi, S. R., Hadly, E. A.  
2022; 377 (1857): 20210389
- **Persistence of phenotypic responses to short-term heat stress in the tabletop coral *Acropora hyacinthus*.** *PloS one*  
Walker, N. S., Cornwell, B. H., Nestor, V., Armstrong, K. C., Golbuu, Y., Palumbi, S. R.  
2022; 17 (9): e0269206
- **Widespread variation in heat tolerance and symbiont load are associated with growth tradeoffs in the coral *Acropora hyacinthus* in Palau.** *eLife*  
Cornwell, B., Armstrong, K., Walker, N. S., Lippert, M., Nestor, V., Golbuu, Y., Palumbi, S. R.  
2021; 10
- **Genetic structure in the endosymbiont *Breviolum 'muscatinei'* is correlated with geographical location, environment and host species** *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*  
Cornwell, B. H., Hernandez, L.

2021; 288 (1946): 20202896

- **Investing in Blue Natural Capital to Secure a Future for the Red Sea Ecosystems** *FRONTIERS IN MARINE SCIENCE*  
Cziesielski, M. J., Duarte, C. M., Aalismail, N., Al-Hafedh, Y., Anton, A., Baalkhuyur, F., Baker, A. C., Balke, T., Baums, I. B., Berumen, M., Chalastani, V. I., Cornwell, B., Daffonchio, et al  
2021; 7
- **Gene flow in the anemone *Anthopleura elegantissima* limits signatures of local adaptation across an extensive geographic range.** *Molecular ecology*  
Cornwell, B. H.  
2020