

# Stanford

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## Christopher Knight

Ph.D. Student in Biology, admitted Autumn 2019

### Bio

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#### BIO

My research will focus on linking ocean and human health by considering how human activity impacts marine ecosystems and the services they provide such as nutrition and livelihoods. Additionally, I am interested in exploring solutions to create equitable and sustainable seafood production. I plan to employ a combination of field ecology, social science, and meta-analyses to contribute to the burgeoning field of planetary health.

#### STANFORD ADVISORS

- Larry Crowder, Doctoral Dissertation Advisor (AC)
- Larry Crowder, Doctoral (Program)

### Publications

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#### PUBLICATIONS

- **Promoting equity in scientific recommendations for high seas governance** *One Earth*  
Chapman, M. S., Oestreich, W. K., Frawley, T. H., Boettiger, C., Diver, S., Santos, B. S., Scoville, C., Armstrong, K., Blondin, H., Chand, K., Haulsee, D. E., Knight, C. J., Crowder, et al  
2021; 4 (6): 790-794
- **3D genomics across the tree of life reveals condensin II as a determinant of architecture type.** *Science (New York, N.Y.)*  
Hoencamp, C., Dudchenko, O., Elbatsh, A. M., Brahmachari, S., Raaijmakers, J. A., van Schaik, T., Sedeño Cacciatore, Á., Contessoto, V. G., van Heesbeen, R. G., van den Broek, B., Mhaskar, A. N., Teunissen, H., St Hilaire, et al  
2021; 372 (6545): 984-989
- **COVID-19 reveals vulnerability of small-scale fisheries to global market systems.** *The Lancet. Planetary health*  
Knight, C. J., Burnham, T. L., Mansfield, E. J., Crowder, L. B., Micheli, F. n.  
2020; 4 (6): e219
- **Predation on competing mussel species: Patterns of prey consumption and its potential role in species coexistence** *JOURNAL OF EXPERIMENTAL MARINE BIOLOGY AND ECOLOGY*  
Escobar, J. B., Knight, C., Navarrete, S. A.  
2018; 504: 38–46
- **Complex Consequences of Herbivory and Interplant Cues in Three Annual Plants** *PLOS ONE*  
Pearse, I. S., Porensky, L. M., Yang, L. H., Stanton, M. L., Karban, R., Bhattacharyya, L., Cox, R., Dove, K., Higgins, A., Kamoroff, C., Kirk, T., Knight, C., Koch, et al  
2012; 7 (5): e38105