

Stanford



Christopher Knight

Ph.D. Student in Biology, admitted Autumn 2019

Bio

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.

Publications

PUBLICATIONS

- **Integrating climate adaptation and transboundary management: Guidelines for designing climate-smart marine protected areas** *ONE EARTH*
Arafeh-Dalmau, N., Munguia-Vega, A., Micheli, F., Vilalta-Navas, A., Villasenor-Derbez, J., Precoma-de la Mora, M., Schoeman, D. S., Medellin-Ortiz, A., Cavanaugh, K. C., Sosa-Nishizaki, O., Burnham, T. U., Knight, C. J., Woodson, et al
2023; 6 (11): 1523-1541
- **Monitoring and modelling the effects of ecosystem engineers on ecosystem functioning** *FUNCTIONAL ECOLOGY*
Losapio, G., Genes, L., Knight, C. J., McFadden, T. N., Pavan, L.
2023
- **Land-dependent marine species face climate-driven impacts on land and at sea** *MARINE ECOLOGY PROGRESS SERIES*
Blondin, H. E., Armstrong, K. C., Hazen, E. L., Oestreich, W. K., Santos, B. S., Haulsee, D. E., Mikles, C. S., Knight, C. J., Bennett, A. E., Crowder, L. B.
2022; 699: 181-198
- **Conspecific cues, not starvation, mediate barren urchin response to predation risk.** *Oecologia*
Knight, C. J., Dunn, R. P., Long, J. D.
2022
- **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