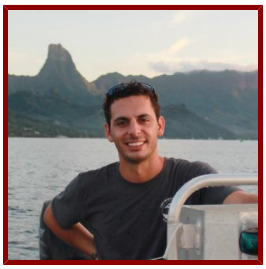
Stanford



Griffin Srednick

Postdoctoral Scholar, Oceans

Bio

BIO

Griffin Srednick, PhD, is an NSF Postdoctoral Research Fellow at Stanford Oceans and a community ecologist specializing in the spatiotemporal dynamics of marine communities. His postdoctoral research investigates how coral reef communities recover from disturbance and respond to the effects of climate change. Conducted within the National Science Foundation's Moorea Coral Reef (MCR) Long Term Ecological Research (LTER) program, his work examines how spatiotemporal heterogeneity in coral communities can promote ecological resilience. By integrating oceanographic modeling with coral reef ecology, his research aims to reveal the mechanisms underpinning coral recovery following disturbance. His broader scientific interests focus on understanding the complex architecture of ecosystems and how a holistic view of ecological systems can inform and enhance conservation and restoration strategies.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University Of Melbourne (2024)
- Master of Science, California State University Northridge (2018)
- Bachelor of Science, California State University Monterey Bay (2014)

STANFORD ADVISORS

- Kristen Davis, Postdoctoral Faculty Sponsor

LINKS

- Personal website: griffinsrednick.com

Publications

PUBLICATIONS

- **Spatial Portfolios in Coral Metapopulations Are Shaped by Spatiotemporal Asynchrony in Environmental Conditions.** *Ecology letters*
  Srednick, G., Davis, K., Edmunds, P. J.
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- **Long-term community dynamics are heterogeneous between fringing- and fore-reef habitats on an Indo-Pacific coral reef** *ECOSPHERE*
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- **Habitat attributes mediate top-down and bottom-up drivers of community development in temperate and tropical algae** *ECOSPHERE*
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  2023; 13 (1): 2314
- **Habitat attributes mediate herbivory and influence community development in algal metacommunities** *ECOLOGY*
  Srednick, G., Cohen, A., Diehl, O., Tyler, K., Swearer, S. E.
  2023; 104 (4): e3976