



Halleh Balch

Postdoctoral Scholar, Materials Science and Engineering

Bio

BIO

Halleh B. Balch is an experimental physicist, NSF Ocean Sciences Postdoctoral Fellow, and HHMI Hanna H. Gray Fellow at Stanford University. Her research focuses on developing novel nanophotonic sensors for in situ microscopy and spectroscopy onboard autonomous underwater vehicles to study marine and freshwater environments and their impact on climate and human health. Halleh received her PhD in Physics from the University of California Berkeley and her undergraduate degree from Swarthmore College in physics and literature.

HONORS AND AWARDS

- HHMI Hanna H. Gray Fellow, Howard Hughes Medical Institute
- NSF Ocean Sciences Postdoctoral Research Fellow, National Science Foundation (2022-2024)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Berkeley (2019)
- Bachelor of Arts, Swarthmore College , Physics (2012)
- Master of Arts, University of California Berkeley (2015)
- PhD, University of California Berkeley , Physics
- MA, University of California Berkeley , Physics
- BA, Swarthmore College , Physics, Literature

STANFORD ADVISORS

- Jennifer Dionne, Postdoctoral Faculty Sponsor
- Jennifer Dionne, Postdoctoral Research Mentor