

EDUCATION

Year	Degree
2018	Ph.D. Integrative Biology ; University of California, Berkeley Climate change effects on thermal tolerance plasticity and population dynamics in the eelgrass sea hare, <i>Phyllaplysia taylori</i> (Advisors: Jonathon Stillman & Wayne Sousa)
2015	B.S. Environmental Studies ; University of Southern California Correlating secondary productivity and habitat composition in a Southern California Marine Protected Area (Advisors: David Ginsburg & Lisa Collins)
2015	B.M. Jazz Studies ; University of Southern California, Thornton School of Music Piano Performance

CURRENT POSITIONS

Year	Institution	Details
2019-present	National Network for Ocean and Climate Change Interpretation	Science Partnerships Committee Chair, Executive Committee
2018-present	Washington State University	Postdoctoral Research Associate, School of Biological Sciences (Advisor: Wes Dowd)

SELECTED FUNDING

Total funding during graduate school: ~\$143,000 USD

Year	Organization	Description
2019-2020	Society for Integrative and Comparative Biology (NSF)	Travel Funding, NSF-funded complementary session, \$1,300
2019	Company of Biologists	Scientific Meeting Grant, £1,000
2018-2020	National Science Foundation	Extreme Science and Engineering Discovery Environment Startup Allocation, \$1,500
2015-2018	National Science Foundation	Graduate Research Fellowship, \$134,000
2016, 2017	Company of Biologists	Research Travel Grant, £500/year
2015-2018	UC Berkeley	Graduate Student Research Funding, ~\$9,000

PUBLICATIONS

Google Scholar: <https://scholar.google.com/citations?user=Jxy-8a8AAAAJ&hl=en>

‡ Mentored student

7. **Tanner RL**, Bowie RCK, & Stillman JH (2020). Parental effects on thermal tolerance plasticity under climate change scenarios in the eelgrass sea hare, *Phyllaplysia taylori*. *Marine Ecology Progress Series* 634: 199-211. doi: 10.3354/meps13207
6. **Tanner RL**, Obaza AK, & Ginsburg DW (2019). Correlating secondary productivity and habitat composition in a Southern California Marine Protected Area. *Southern California Academy of Sciences Bulletin* 118(3): 158-172.
5. Wang T‡, **Tanner RL**, Armstrong EJ, Lindberg DR, & Stillman JH (2019). Thermal plasticity in file limpet, *Lottia limatula*, across oceanic to estuarine gradients in habitat temperature. *Aquatic Biology* 28: 113-125. doi: 10.3354/ab00714
4. **Tanner RL** & Dowd WW (2019). Inter-individual variation in responses to environmental variation and environmental change: Integrating across traits and time. *Comparative Biochemistry and Physiology Part A: Molecular and Integrative Physiology* 238. doi:10.1016/j.cbpa.2019.110577
3. **Tanner RL**, Faye LE‡, & Stillman JH (2019). Temperature and salinity sensitivity of respiration, grazing, and excretion rates in the estuarine eelgrass sea hare, *Phyllaplysia taylori*. *Marine Biology* 166:109. doi:10.1007/s00227-019-3559-4
2. Armstrong EJ, **Tanner RL**, & Stillman JH (2019). Warm-adaptation is negatively correlated with upper thermal tolerance plasticity in North Eastern Pacific nudibranch mollusks. *Physiological and Biochemical Zoology* 92(4): 430-444. <https://doi.org/10.1086/704519> **Featured on issue cover.**
1. **Tanner RL** (2018). Predicting *Phyllaplysia taylori* (*Anaspidea: Aplysiidae*) presence in Northeastern Pacific estuaries to facilitate grazer community inclusion in eelgrass restoration. *Estuarine, Coastal and Shelf Science* 214: 110-119. doi:10.1016/j.ecss.2018.09.011

IN REVIEW

8. **Tanner RL** & Collins LE (in review). Using publicly-available long-term climate records in undergraduate interdisciplinary big data curriculum. *Journal of College Science Teaching*.

SYMPOSIA ORGANIZED

- 2020 Society for Experimental Biology Annual Meeting, Prague, CZ
“Science with Impact: Lowering the barriers to science with Open Hardware” & “Open Electronics in Experimental Biology”
- 2019 & 2020 National Network for Ocean and Climate Change Interpretation, online
“Extreme Events Webinar”, “Ask A Scientist”

SELECT INVITED PRESENTATIONS (since PhD graduation)

- 2019 Skype A Scientist LIVE
“Superheroes of our seas: how physiology forecasts climate change effects”
- 2019 Department seminar series, Biological Sciences Department, Sacramento State University
“How does environmental variation influence physiology in intertidal invertebrates?”
- 2019 Science Talk, Portland OR
“Social strategies for climate communication” (workshop)
- 2018 Department seminar series, School of Biological Sciences, Washington State University
“Thermal tolerance plasticity of the eelgrass sea hare in a changing climate”
- 2018 Special seminar, Monterey Bay Aquarium, Monterey CA
“The eelgrass sea hare: super slugs in a changing climate”
- 2018 Department seminar series, Estuary and Ocean Science Center
“Climate change effects on thermal tolerance plasticity and population dynamics in the eelgrass sea hare, *Phyllaplysia taylori*”

CERTIFICATES

Year	Description	Organization
2018	Certificate in Teaching and Learning in Higher Education	University of California, Berkeley
2018	Expert Facilitator in Science Communication Instruction	National Network for Ocean and Climate Change Interpretation (NNOCCI)

COURSE CURRICULUM DEVELOPMENT

Pilot Year	Title	Organization (Role)	Target Audience
2020	Climate change communication: using social science research in framing	NNOCCI (Co-lead)	Graduate students
2018	Expert Level Facilitator Training Course	NNOCCI (Contributor)	Informal science educators & early career academics
2017	Indirect effects of climate change on intertidal invertebrates	Community Resources for Science (Lead)	3 rd grade students
2016 & 2017	National trivia bowl question development (biology focus)	National Ocean Sciences Bowl (Lead)	High school students
2015	Food webs in estuaries	Community Resources for Science (Lead)	3 rd grade students
2015	IB/EPS/GEOG c82 discussion materials	UC Berkeley (Contributor)	Undergraduate students

SELECT SERVICE CONTRIBUTIONS

Year	Organization	Role
2020	Society for Integrative and Comparative Biology	Session Chair, Genome-to-Phenome complementary session
2019	NSF Reintegrating Biology Jumpstart Meeting	Participant
2019-present	NSF Evolving Seas Research Coordination Network	Participant
2019-present	Society for Integrative and Comparative Biology	Student Presentation Judge
2018-present	NNOCCI, Boston, MA	Science Partnerships Committee
2015-2018	Monterey Bay Aquarium, Exploratorium, CA Science Center	Exhibit advisor
2016-2018	National Ocean Sciences Bowl, Washington D.C.	Competition Judge
2017	NNOCCI, Boston, MA	Science Fellow, Central CA Study Circle

