

Timeline: The study will take place over six weeks from May 17, 2021 to June 25, 2021

- May 17: Travel from Vancouver, WA (out of PDX) to Los Angeles.
- May 18: Meet with Dr. Bittick at LMU. This will include planning out where to collect our samples and setting up the vivarium tanks to put our samples in after collection.
- May 19-28: Travel to various locations along the Southern California coast to collect samples and collect field data. Each day the samples will be taken back to LMU and set up in the vivarium tanks.
- May 28-31: Acclimating period for the seagrass.
- June 1: Initial data collection for pre-treatment.
- June 2-21: Study period. During this time the seagrass will undergo their designated treatments and regularly have data collected. This period is about three weeks as it takes at least two weeks for results to begin to be noticeable. The tanks will be monitored daily and any necessary upkeep will be done.
- June 22-25: Final data collection and clean up period.
- June 26: Travel from LA to Vancouver, WA, and begin remote data analysis.

Budget: A total of 2,200 USD is requested

- Travel funding (PDX to LAX and back): 200\$
- Various marine station fees and collecting permit fees: 100\$
- Transportation to and from collecting sites: 100\$
- Stipend: 20 hours per week, for six weeks, at 15.00 USD per hour (LMU research assistant hourly pay): 1800\$