

## **Oceanography Senior Thesis Symposium**

**March 9<sup>th</sup> and 11<sup>th</sup>, 2021**

**Zoom Link: 93800099303**

### **Tues (9 AM – 10:50 AM)**

9:00 AM: Rachel Schauer, "Using King County Data to Determine the Relationship Between Phytoplankton Biomass and Nutrient Concentration in Puget Sound as a Predictor for Harmful Algal Blooms"

9:10 AM: Marissa Leatherman, "Sink or Swim: Modeling Anthropogenically-Released Pb and Cu in Puget Sound using the Live Ocean Regional Oceanographic Modelling System (ROMS)"

9:20 AM: Keely Hall, "Comparison of Microplastics in Puget Sound via the Puyallup River from 2017-2018 using University of Washington (UW) Tacoma Datasets"

9:30 AM: Kate Garland, "Political Boundaries Impede Estuarine Sustainability Strategies: A Geographic Analysis Case Study of Salish Sea"

9:40 AM: Everetta Rasyid, "Prevalence of Dissolved Homarine in Puget Sound and North Pacific"

9:50 AM: Amanda Gardiner, "How the Environmental RNA Signature of Nitrate Reductase Can Be Used as a Predictor for Phytoplankton Distribution"

10:00 AM: Leland Wood, "Sulfur Metabolites in the North Pacific Subtropical Gyre and Transition Zone"

10:10 AM: Marcus Oman, "Uptake of Anthropogenic CO<sub>2</sub> and its Effect on Recent Changes of Calcite and Aragonite Saturation in the Northern Pacific from 2006-2015"

10:20 AM: Kelebet Engida, "Mesoscale Eddy Impact on Overall Distribution of Zooplankton Vertical Migration"

10:30 AM: Mouffee Borrás, "Fin Whale Call Counts in the Northeast Pacific using Hydrophone Data"

10:40 AM: Stephen Mylett, "Effects of Earthquakes on Hydrothermal Vent Temperature and Resistivity at the Main Endeavor Field, Northeast Pacific"

### **Thurs:**

9:00 AM: Tyler Peterson, "Hydrothermal Vent Field Perturbations Related to Seismic Activity at Axial Seamount, Juan de Fuca Ridge"

9:10 AM: Nallely Krutina, "Variability in Bacterial Proteins at the Tica Vent (9° N) on the East Pacific Rise"

9:20 AM: Ben Smith, "Northeastern Pacific Blue Whale Offshore Variability"

9:30 AM: Connor Cheney, "Presence and Function of a Circadian Clock in Marine Cyanobacteria *Prochlorococcus* and *Synechococcus*"

9:40 AM: Jane Sheng, "Evaluating Possible Impacts of the Recurring Marine Heatwave on Mixed Layer Depth and Chlorophyll-a Concentrations near Ocean Station Papa from 2013-2020"

9:50 AM: Katie Gonzalez, "Seasonal Patterns of Fin Whale Calls in the Northeast Pacific"

10:00 AM: Alana Kraft, "The Effects of Glacial Melting on Precipitation Patterns in Jellyfish Lake, Palau Derived from Hydrogen Isotopes in Algal Lipids"

10:10 AM: Christine Bronder, "Perturbations in Ocean Circulation around Axial Seamount in Response to the 2015 Eruption"

10:20 AM: Garrett Finucane, "Inverse Modeling of the Deep Brazil Basin Circulation"

10:30 AM: Claire Fink, "Polar Pollution: Modeling Potential Origins and Sinking of Plastic in the Arctic Ocean"

10:40 AM: Kennedy Cameron, "Effectiveness of Flipped vs Traditional Course Structures in Upper Division Oceanography Courses"