

William Kumler

4229 7th Ave NE, Apartment #103, Seattle, WA 98105.

Phone: (909) 907-2385 • Email: wkumler@uw.edu • Student ID: 1967822

Education

University of Washington, School of Oceanography — Seattle, WA **June 2019—Present**
Doctoral student
Member of the Marine Microbial Metabolomics Center

University of California, Berkeley — Berkeley, CA **Graduated May 2018**
Bachelor's degrees in Molecular Environmental Biology and Marine Science
GPA: 3.64/4.0 • Departmental Honors

Previous employment

Lab manager for Koehl Lab: **August 2017 — Present**
UC Berkeley

- Maintain live cultures of choanoflagellates and various protozoa
- Manage and organize lab members, materials, and safety
- Assist visiting researchers with projects and statistical analyses
- Tutor undergraduates in ImageJ and R programming

Lab manager for Edwards Lab: **August 2018 — Present**
UC Berkeley

- Laboratory planning and setup
- HPLC-MS (Thermo Fusion Lumos ID-X) sample preparation and analysis
- Data handling, statistical analyses and lipidomics pipeline development, maintenance, and expansion
- One-on-one education of undergraduates in R programming and SLURM cluster architecture

Publications

W. Kumler, J. Jorge, P. Kim, N. Iftekhar, and M.A.R. Koehl (2020). Does formation of multicellular colonies by choanoflagellates affect their susceptibility to capture by passive protozoan predators? *Journal of Eukaryotic Microbiology*, v.67:5, p.555-565. doi: 10.1111/jeu.12808

Conference proceedings

W.E. Kumler & M.A.R. Koehl (2018). Evolution of multicellularity: Capture of unicellular vs colonial choanoflagellates by a protozoan predator. Presented as a poster at the 2018 Society of Integrative and Comparative Biology Annual Meeting, San Francisco, CA. Poster #P1-115

W.E. Kumler, H. Fredricks, J. Ossolinski, A. Allen, K. Thamtrakoln, K. Bidle, B. Van Mooy, & B. Edwards (2019). Sign of the times: the lipid signature of a collapsing phytoplankton bloom. Presented as a poster at the 2019 Aquatic Sciences Meeting (ASLO) in San Juan, Puerto Rico. Poster #411, Session SS027

Outreach

Volunteer at the Seattle Aquarium **March 2020—Present**

- “Inspiring conservation of our marine environment”
- Personally engage with visitors and facilitate their understanding of exhibits

UW College of the Environment Student Grievance Committee Member **August 2020—Present**

- Managing student academic grievances that do not fall within existing protocols
- Nominated by School of Oceanography Director Rick Keil
- Selected for a second term from 2020-2021