Mary Rose Gradoville
Columbia River Inter-Tribal Fish Commission
700 NE Multnomah St, Portland, OR 97232
(503) 683-7876 | rgradoville@critfc.org

RESEARCH INTERESTS

- Microbial oceanography; marine biogeochemistry; marine ecology; marine nitrogen cycle; ocean time-series analysis; ocean observing; climate change; molecular ecology; salmon conservation

EDUCATION

Oregon State University, Corvallis, OR
- Ph.D., Ocean, Earth, and Atmospheric Sciences (Ocean Ecology and Biogeochemistry) 2017
- M.S., Ocean, Earth, and Atmospheric Sciences (Ocean Ecology and Biogeochemistry) 2013

Barnard College, Columbia University, New York, NY
- B.A., General Biology 2010

PROFESSIONAL APPOINTMENTS

- **Oceanographer**, Columbia River Inter-Tribal Fish Commission (CRITFC) 2022-present
  - Help lead Coastal Margin Observation and Prediction (CMOP) program's observatory
  - Analyze ocean and estuary data; disseminate findings to CRITFC and local stakeholders
  - Develop new ways to connect CMOP data to CRITFC's salmon conservation efforts
- **Editorial Fellow**, Association for the Sciences of Limnology and Oceanography 2021-2023
  - Researched bias in peer review and academic publishing
  - Developed peer review training materials for early career researchers
- **Postdoctoral Scholar**, University of California, Santa Cruz 2017-2022
  - Designed, executed, and disseminated ocean biogeochemistry and molecular biology research
  - Published eight peer-reviewed articles, including one 'top-cited article'
- **Associate Faculty Instructor**, West Valley College 2020
  - Independently instructed "Introduction to Oceanography" course

HONORS & AWARDS

- Wiley Top Cited Article Award 2018, 2022
- EPA STAR, Environmental Protection Agency (Award #F13E20903, $86000) 2014
- Honorable Mention, NSF Graduate Research Fellowship Program 2012
- Herbert Maule Richards Fund Grant, Barnard College ($1000) 2010

SELECT PUBLICATIONS (3 OF 19)

- **Gradoville, MR**, Dugenne, M, Zehr, JP, White, AE. 2022. Strong empirical relationship between *nifH* gene abundance and diazotroph cell concentration in the North Pacific Subtropical Gyre. *J. Phycol.* 58: 829-833.
- **Gradoville, MR,** Crump, BC, Häse C, White, AE. 2018. Environmental controls of oyster-pathogenic *Vibrio* spp. in Oregon estuaries and a shellfish hatchery. *Appl. Environ. Microbiol.* 84: e02156-17
- **Gradoville, MR,** Bombar, D, Crump, BC, Letelier, RM, White, AE. 2017. Diversity and activity of nitrogen-fixing communities across ocean basins. *Limnol. Oceanogr.* 62: 1895-1909.

SELECT PRESENTATIONS (3 OF 15)

- **Gradoville, MR**, Mak, EWK, Turk-Kubo, KA, Zehr, JP. Tight coupling of hourly, single-cell carbon and nitrogen fixation rates by the UCYN-A/haptophyte symbiosis. Ocean Sciences Meeting, February 2022, Honolulu, HI (virtual), oral presentation.
- **Gradoville, MR**. Your Roadmap to Effective and Efficient Peer Review: A Webinar with ASLO Editors. September 21, 2021. Recording available: https://www.youtube.com/watch?v=utntl1VGy5g
- **Gradoville, MR**, Bombar, D, Crump, BC, Letelier, RM, White, AE. 2019. *Invited:* Diversity and activity of nitrogen-fixing communities across ocean basins: Overview and recent developments. Aquatic Sciences Meeting, February 2019, San Juan, Puerto Rico, oral presentation. Recording available: https://www.youtube.com/watch?v=nm_ug7S9qTg&t=