

Meg Chadsey

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Education

Postdoctoral Research Fellow University of Washington Dept. of Pathology	1998-2005
Ph.D., Microbiology University of Washington Dept. of Microbiology and Immunology	1998
Bachelor of Science, Microbial Genetics Cornell University	1989

Professional Experience

Washington Sea Grant—Ocean Acidification Specialist and Sea Grant Liaison to NOAA PMEL	2013-present
Leads Washington Sea Grant (WSG) Ocean Acidification (OA) outreach and education efforts, including those of WSG-funded researchers. Fosters synergy between Sea Grant, the NOAA Pacific Marine Environmental Laboratory (PMEL) CO ₂ Program, and their respective partners. Collaborates with government, tribal, academic, nonprofit and industry partners to enhance their capacity to address OA.	
Washington Sea Grant—Washington Blue Ribbon Panel on Ocean Acidification	2012
Worked closely with Washington Dept. of Ecology and UW Climate Impacts Group to coordinate Panel process, monthly public meetings and workgroups. Edited the Panel's Scientific Summary document and assisted with the preparation of the Panel's Final Report to WA Governor Christine Gregoire.	
Washington Sea Grant—Symposium on Ocean Acidification	2011
Coordinated a symposium on OA science and policy for ~200 regional scientists, policy leaders, resource managers, and tribal leaders.	
University of Washington School of Marine and Environmental Affairs—Research Assistant	2005-2008
Analyzed the response of fisheries managers, scientists, and public health officials to domoic acid closures of Washington state razor clam harvests.	

Conferences and Presentations

- 2019 Open Channels webinar 'We've Got Chemistry!' Leveraging Partnerships and the Ocean Acidification Information Exchange to Advance Ocean Acidification and MPA Science
- 2018 NOAA Pacific Northwest B-WET Grantee Workshop, Portland, OR (Presenter: OA Impacts to Salmon)
- 2018 C-CAN webinar 'Kelping the Sea—farming seaweeds for research and resources in the Pacific Northwest'
- 2018 AGU Ocean Sciences Meeting, Portland, OR (Presenter: OA Communication)
- 2017 NOAA SOARCE webinar 'Carbon Comes Home—Kelp Aquaculture to Benefit both Sea and Soil'
- 2017 Alaska Marine Sciences Symposium, Anchorage, AK (Presenter: OA Communication)
- 2017 NOAA Ocean Acidification Program PI Meeting, Seattle, WA (Facilitator)
- 2016 Alaska Ocean Acidification Science Workshop, Anchorage, AK (Keynote Speaker: OA Communication)
- 2016 NOAA Ocean Acidification Sentinel Site Workshop, Forks, WA (Facilitator)
- 2016 Salish Sea Ecosystem Conference, Vancouver, B.C. (Session Co-Chair and Presenter)
- 2014 Salish Sea Ecosystem Conference, Seattle, WA (Session Co-Chair)
- 2013 North Pacific Marine Science Organization Conference, Nanaimo, B.C. (Invited Speaker)

Synergistic activities

Lead Washington Sea Grant Kelp Aquaculture program Sept 2019 - present
Lead OA Information Exchange (www.OAInfoExchange.org); Education & Content Team 2018 - present
Co-PI NOAA OA Program Olympic Coast OA Regional Vulnerability Assessment Engagement 2017 - present
Coordinator 2017 Northwest National Marine Renewable Energy Center Seminar Series & Educator Workshop
Student Mentor UW Program on the Environment Capstone (Undergraduate) and Communications Leadership (Masters) programs 2016 - present
Member Olympic OA Sentinel Site (OASes) working group 2016 - present
Engagement Lead Hood Canal OA/Kelp Aquaculture investigation 2015 - present
Coordinator 2016 NOAA West Coast Ocean Acidification Cruise blog (westcoastoa.wordpress.com) 2016
Coordinator NOAA SOARCE (Sharing OA Resources for Communicators & Educators) webinar 2015 - present
Advisor SeaDoc Society Science Advisory Council 2015 - present
Member Washington state Marine Resource Advisory Council *ad hoc* work groups 2014 - present

Ongoing: Develop education and communication resources related to OA, seaweed aquaculture, harmful algal blooms and marine renewable energy. Provide training to formal and informal educators. Support public engagement with Sea Grant and NOAA science through presentations and stakeholder support.

Publications

Andersson, A., Kline, D., Edmunds, P., Archer, S., Bednarsek, N., Carpenter, R., **Chadsey, M.**, Goldstein, P., Grottoli, A., Hurst, T., King, A., Kubler, J., Kuffner, I., Mackey, K., Paytan, A., Menge, B., Riebesell, U., Schnetzer, A., Warner, M. and Zimmerman, R. (2015) Understanding Ocean Acidification Impacts on Organismal to Ecological Scales. *Oceanography* 28(2): 16-27.

Feely, R. A., T. Klinger, J.A. Newton, and **Chadsey, M.** (2012) Scientific Summary of Ocean Acidification in Washington State Marine Waters. NOAA OAR Special Report
<https://fortress.wa.gov/ecy/publications/SummaryPages/1201016.html>

Chadsey, M., Trainer, V. and Leschine, T. (2012) Cooperation of Science and Management for Harmful Algal Blooms: Domoic Acid and the Washington Coast Razor Clam Fishery. *Coastal Management* 40: 33-54.

Sussman, D., **Chadsey, M.**, Fauce, S., Engel, A., Bruett, A., Monnat, R. Jr., Stoddard, B. and Seligman, L. (2004) Isolation and characterization of new homing endonuclease specificities at individual target site positions. *Journal of Molecular Biology* 342: 31-41.

Chevalier, B., Kortemme, T., **Chadsey, M.**, Baker, D., Monnat, R. and Stoddard, B. (2002) Design, activity and structure of E-Drel, a highly site-specific artificial endonuclease. *Molecular Cell* 10: 895-905.

Chadsey, M. and Hughes, K. (2001) A multipartite interaction between *Salmonella* transcription factor sigma²⁸ and its anti-sigma factor FlgM: implications for sigma²⁸ holoenzyme destabilization through stepwise binding. *Journal of Molecular Biology* 306: 915-929.

Galburt, E., **Chadsey, M.**, Jurica, M., Chevalier, B., Erho, D., Tang, W., Monnat, R., and Stoddard, B. (2000) Conformational changes and DNA target site bending induced by the His-Cys box homing endonuclease I-PpoI. *Journal of Molecular Biology* 300: 877-887.

Chadsey, M., Karlinsey, J. and Hughes, K. (1998) The flagellar anti-sigma factor FlgM actively dissociates *Salmonella typhimurium* sigma²⁸ RNA polymerase holoenzyme. *Genes and Development* 12: 3123-3136.