

# CURRICULUM VITAE

## James J Pierson

Assistant Research Professor  
Horn Point Laboratory  
University of Maryland Center for Environmental Science  
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### I. Education:

2006 Ph.D., University of Washington, Seattle. Biological Oceanography  
2002 M.S., University of Washington, Seattle. Biological Oceanography  
1996 B.S., University of New Hampshire. Biology: Marine and Freshwater

### II. Professional Background:

2015 – Present Assistant Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory, Cambridge, MD  
2010 – 2015 Assistant Research Professor, University of Maryland Center for Environmental Science, Horn Point Laboratory, Cambridge, MD  
2006 – 2010 Assistant Research Scientist, University of Maryland Center for Environmental Science, Horn Point Laboratory, Cambridge, MD  
2000 – 2006 Graduate Research Assistant, University of Washington, School of Oceanography, Seattle, WA  
1997 – 2000 Marine Research Specialist I-II, University of Rhode Island, Graduate School of Oceanography, Narragansett, RI  
1996 – 1997 Technical Assistant, University of New Hampshire, Durham, NH & Woods Hole Oceanographic Institute, Woods Hole, MA  
1995 – 1996 Laboratory Assistant, University of New Hampshire, Durham, NH

### III. Awards and Special Recognition

### IV. Research

#### A. Areas of Professional Expertise

Biological oceanography, zooplankton ecology, specifically:

- Behavior of individual zooplankton
- Response of zooplankton life histories to environmental and climatic changes
- Combining in situ data with numerical model results to link individuals' behaviors to population dynamics and structure

#### B. Peer Reviewed Publications (\*=HPL graduate student)

Researcher ID: <http://www.researcherid.com/rid/B-7278-2008>

ORCID: <http://orcid.org/0000-0002-5248-5850>

Google Scholar: <http://scholar.google.com/citations?user=s4spRhAAAAAJ&hl=en>

**Researcher ID Citation Metrics:**

Total Articles in Publication List: 30  
 Articles With Citation Data: 26  
 Sum of the Times Cited: 389  
 Average Citations per Article: 14.96  
 h-index: 13  
 Last Updated: 02/02/2017 18:58 GMT

**Google Scholar Citation Metrics:**

	<u>All</u>	<u>Since 2012</u>
Citations	591	330
h-index	14	11
i10-index	18	14

1. Millette, N.C., **J.J. Pierson**, A. Aceves, & D.K. Stoecker. 2016. Mixotrophy in *Heterocapsa rotundata*: A mechanism for dominating the winter phytoplankton. *Limnology and Oceanography*. doi:10.1002/lno.10470
2. Mayor, E., P. Chigbu, **J. Pierson**, & V.S. Kennedy. 2017. Composition, Abundance, and Life History of Mysids (Crustacea: Mysida) in the Coastal Lagoons of MD, USA. *Estuaries and Coasts*, 40(1): 224-234. doi: 10.1007/s12237-016-0131-z
3. Merz, J., P. S. Bergman, **J. Pierson**, D. Delaney, J. Melgo, & P. Anders. 2016. Long-Term Seasonal Trends in the Prey Community of Delta Smelt (*Hypomesus transpacificus*) Within the Sacramento-San Joaquin Delta, California. *Estuaries and Coasts*. 39(5): 1526–1536. doi: 10.1007/s12237-016-0097-x
4. **Pierson, J. J.**, D. G. Kimmel & M. R. Roman. 2016 Temperature impacts on *Eurytemora* size and vital rates in the upper Chesapeake Bay in winter. *Estuaries and Coasts*. 39(4): 1122–1132. doi: 10.1007/s12237-015-0063-z
5. Millette, N.C., G.E. King, & **J. J. Pierson**. 2015. A note on the survival and feeding of copepod nauplii (*Eurytemora carolleeae*) on the dinoflagellate *Heterocapsa rotundata*. *Journal of Plankton Research*. 37(6): 1095-1099. doi: 10.1093/plankt/fbv090
6. Lavrentyev, P.J., G. Franzè, **J. J. Pierson**, & D. K. Stoecker. 2015. The Effect of Dissolved Polyunsaturated Aldehydes on Microzooplankton Growth Rates in the Chesapeake Bay and Atlantic Coastal Waters. *Marine Drugs*. 13(5): 2834-2856. doi: 10.3390/md13052834 (Click for Open Access PDF)
7. Millette, N.C., D. K. Stoecker, & **J. J. Pierson**. 2015. Top-down control of micro-and mesozooplankton on winter dinoflagellate blooms of *Heterocapsa rotundata*. *Aquatic Microbial Ecology*. 76: 15-25. doi: 10.3354/ame01763
8. Melle, W., J. Runge, E. Head, S. Plourde, C. Castellani, P. Licandro, **J. Pierson**, S. Jonasdottir, C. Johnson, C. Broms, H. Debes, T. Falkenhaus, E. Gaard, A. Gislason, M. Heath, B. Niehoff, T. G. Nielsen, P. Pepin, E. K. Stenevik, & G. Chust. 2014. The North Atlantic Ocean as habitat for *Calanus finmarchicus*: Environmental factors and life history traits. *Progress in Oceanography*. doi:10.1016/j.pocean.2014.04.026
9. Melle, W., J. A. Runge, E. Head, S. Plourde, C. Castellani, P. Licandro, **J. Pierson**, S. Jonasdottir, C. Johnson, C. Broms, H. Debes, T. Falkenhaus, E. Gaard, A. Gislason, M. R. Heath, B. Niehoff, T. G. Nielsen, P. Pepin, E. K. Stenevik, & G. Chust. 2014. Biogeography of key mesozooplankton species in the North Atlantic, by manual counting methods, and egg production of *Calanus finmarchicus*. *Earth System Science Data Discussions*. 7(1): 225-242. doi.org/10.5194/essdd-7-225-2014
10. Elliott, D. T., **J. J. Pierson**, M. R. Roman. 2013. Predicting the effects of coastal hypoxia on vital rates of the planktonic copepod *Acartia tonsa* Dana. *PLoS ONE* 8(5): e63987 doi:10.1371/journal.pone.0063987

11. **Pierson, J. J.**, H. Batchelder, W. Saumweber, A. Leising, J. Runge. 2013. The impact of increasing temperature on dormancy duration in *Calanus finmarchicus*. *Journal of Plankton Research* 35(3): 504-512. doi:10.1093/plankt/fbt022.
12. **Pierson, J. J.**, B. W. Frost, A. W. Leising. 2013. Foray foraging behavior: seasonally-variable, food-driven migratory behavior in two calanoid copepods. *Marine Ecology Progress Series* 475: 49-64 doi: 10.3354/meps10116
13. Roman, M. R., **J. J. Pierson**, D. G. Kimmel, W. C. Boicourt, and X. Zhang. 2012. Impacts of Hypoxia on Zooplankton Spatial Distributions in the Northern Gulf of Mexico. *Estuaries and Coasts* 35(5):1261-1269. doi:10.1007/s12237-012-9531-x
14. Elliott, D. T., **J. J. Pierson**, and M. R. Roman. 2012. Relationship between environmental conditions and zooplankton community structure during summer hypoxia in the northern Gulf of Mexico. *Journal of Plankton Research* 34(7): 602-613. doi:10.1093/plankt/fbs029
15. Devreker, D., **J. J. Pierson**, S. Souissi, D. G. Kimmel, and M. R. Roman. 2012. An experimental approach to estimate egg production and development rate of the calanoid copepod *Eurytemora affinis* in Chesapeake Bay, USA. *Journal of Experimental Marine Biology and Ecology*. 416-417: 72-83. doi:10.1016/j.jembe.2012.02.010
16. Maps, F., J.A. Runge, A. Leising, A.J. Pershing, N.R. Record, S. Plourde, and **J.J. Pierson**. 2012. Modelling the timing and duration of dormancy in populations of *Calanus finmarchicus* from the Northwest Atlantic shelf. *Journal of Plankton Research* 34(1): 36- 54. doi:10.1093/plankt/fbr088
17. Mitra, S., D.G. Kimmel, J.Snyder, S. Scalise, B.D. McGlaughon, M.R. Roman, G.L. Jahn, **J.J. Pierson**, S.B. Brandt, J.P. Montoya, R.J. Rosenbauer, T.L. Lorensen, F.L. Wong, and P.L. Campbell. 2012. Macondo-1 well oil-derived polycyclic aromatic hydrocarbons in mesozooplankton from the northern Gulf of Mexico. *Geophysical Research Letters*. 39(1): L01605. doi:10.1029/2011GL049505
18. Kimmel D.G., W.C. Boicourt, **J.J. Pierson**, M.R. Roman, X. Zhang. 2010. The vertical distribution and diel variability of mesozooplankton biomass, abundance and size in response to hypoxia in the northern Gulf of Mexico. *Journal of Plankton Research*
19. **Pierson, J.J.**, M.R. Roman, D.G. Kimmel, W.C. Boicourt, & X. Zhang. 2009. Quantifying changes in the vertical distribution of mesozooplankton in response to hypoxic bottom waters. *Journal of Experimental Marine Biology and Ecology*
20. Kimmel, D.G., W.C. Boicourt, **J.J. Pierson**, M.R. Roman, & X. Zhang. 2009. A comparison of the mesozooplankton response to hypoxia in Chesapeake Bay and the northern Gulf of Mexico using the biomass size spectrum. *Journal of Experimental Marine Biology and Ecology* 381: S65-S73.
21. **Pierson, J.J.**, B.W. Frost, D. Thoreson, A.W. Leising, J.R. Postel, & M. Nuwer. 2009. Trapping migrating zooplankton. *Limnology and Oceanography Methods* 7(5): 334-346.
22. **Pierson, J.J.**, B.W. Frost, & A.W. Leising. 2007. The lost generation of *Calanus pacificus*: is the diatom effect responsible? *Limnology and Oceanography* 52(5): 2089-2098.
23. Bucklin, A., P.H. Wiebe, S.B. Smolenack, N.J. Copley, J.G. Beaudet, K.G. Bonner, J. Farber-Lorda, & **J.J. Pierson**. 2007. DNA barcodes for species identification of euphausiids (Euphausiacea, Crustacea). *Journal of Plankton Research* 29(6): 483-493.
24. **Pierson, J.J.**, A.W. Leising, & C. Halsband Lenk. 2005. Reproductive success of *Calanus pacificus* during diatom blooms in Dabob Bay, WA. *Progress in Oceanography* 67(3/4): 314-331.
25. **Pierson, J.J.**, A.W. Leising, C. Halsband-Lenk, & N. Ferm. 2005. Vertical distribution and abundance of *Calanus pacificus* and *Pseudocalanus newmani* in relation to chlorophyll a concentrations in Dabob Bay, WA. *Progress in Oceanography* 37(3/4): 349-365.

26. Leising, A.W., **J.J. Pierson**, S. Cary, & B.W. Frost. 2005. Copepod foraging and predation risk within the surface layer during night-time feeding forays. *Journal of Plankton Research* 27(10): 987-1001.
27. Halsband-Lenk, C., **J.J. Pierson**, & A.W. Leising. 2005. Reproduction of *Pseudocalanus newmani* (Copepoda: Calanoida) is deleteriously affected by diatom blooms - a field study. *Progress in Oceanography* 67(3/4): 332-348.
28. Horner, R.A., J.R. Postel, C. Halsband-Lenk, **J. J. Pierson**, G. Pohnert, & T. Wichard. 2005. Winter-spring phytoplankton blooms in Dabob Bay, Washington. *Progress in Oceanography* 67(3/4): 286-313.
29. Leising, A.W., R.A. Horner, **J.J. Pierson**, J.R. Postel, & C. Halsband-Lenk. 2005. The balance between microzooplankton grazing and phytoplankton growth in a highly productive estuarine fjord. *Progress in Oceanography* 67(3/4): 366-683.
30. Leising, A.W., **J.J. Pierson**, C. Halsband-Lenk, R.A. Horner, & J.R. Postel. 2005. Copepod grazing during spring blooms: Can *Pseudocalanus newmani* induce trophic cascades? *Progress in Oceanography* 67(3/4): 406-421.
31. Leising, A.W., **J.J. Pierson**, C. Halsband-Lenk, R.A. Horner, & J.R. Postel. 2005. Copepod grazing during spring blooms: Does *Calanus pacificus* avoid harmful diatoms? *Progress in Oceanography* 67(3/4): 384-405.

#### C. Other Publications

#### D. Research Grants and Contracts

##### 1. Active

*Collaborative Research: The effects of diatom-produced polyunsaturated aldehydes on the microbial food web in temperate and polar waters.* NSF Ocean Sciences, \$477,309, 04/01/2014 – 03/31/2017.

*Copepod Population Dynamics in Hypoxic Coastal Waters: Physical and Behavioral Regulation of Resupply and Advective Losses.* NSF Ocean Sciences: \$593,303, 03/01/2013 – 02/28/2016.

*COLLABORATIVE RESEARCH: Getting it right. A Strategic Planning Workshop to Develop a Sustainable Pathway for Educating Underrepresented and Underserved Puerto Rican Students in Geosciences.* NSF Geosciences: \$19,580, 05/01/2015 – 04/30/2016.

*Integration, Synthesis and Modeling of High Resolution Zooplankton and Pelagic Fish Data for the Northern Gulf of Mexico.* National Academy of Sciences: \$504,471, 01/01/2016 – 12/31/ 2017.

##### 2. Past

*A Necklace of Cameras to Illuminate Bioluminescence.* Bailey Wildlife Foundation: \$12,795, 06/01/2015 – 06/14/2016.

*Rapid Response Sampling of Chesapeake Bay for 2015 Nor'easter and Hurricane Joaquin.* Maryland Sea Grant: \$30,000, 10/01/2015 – 09/30/2016.

*Collaborative Research: Hypoxia in Marine Ecosystems: Implications for Neritic Copepods.* NSF Ocean Sciences: \$1,114,711, 03/01/10 – 02/28/13

*The Effects and Impacts of Hypoxia on Production Potential of Ecologically and Commercially Important Living Resources in the Northern Gulf of Mexico.* NOAA CSCOR: \$348,381, 09/01/09 – 08/31/13

*Effects of Changing Phytoplankton Stoichiometry on Copepods*. State and Federal Contractors Water Agency: \$199,331, 06/01/2012 – 05/31/2014.

*RAPID collaborative research: Historic freshwater input and hypoxia effects on zooplankton populations of the northern Gulf of Mexico*. NSF Ocean Sciences: \$89,341, 08/01/2011 – 07/31/2013

*RAPID Collaborative Proposal: Spatially-explicit, High-resolution Mapping and Modeling to Quantify Hypoxia and Oil Effects on the Living Resources of the Northern Gulf of Mexico*. NSF Ocean Sciences, \$107,961, 08/01/2011-07/31/2012

*Collaborative Research: Life histories of species in the genus Calanus in the North Atlantic and North Pacific Oceans and responses to climate forcing*. NSF Ocean Sciences: \$208,181, 9/1/2008 – 8/31/2011

*Chesapeake Bay 2011 Zooplankton Sample Analysis*. Chesapeake Research Consortium: \$49,999, 02/15/2012 – 12/31/2012

*Forecasting Young-of-the-Year Production of Striped Bass in Chesapeake Bay*. UMD (NASA sub-contract): \$70,000, 08/15/09 – 08/14/10

### 3. Pending

*ECOHAB 2017: Discovering Patterns of Resource Use and Toxicity in Puerto Rico's Bioluminescent Lagoons*. NOAA CSCOR: \$290,078, 9/1/2017 – 8/31/2019

*SQUID: Spatially Resolved, Quantitative Understanding and Forecasting of Climate Impacts on *Illex* and *Doryteuthis* Squid Fisheries*. NOAA COCA: \$1,144,673, 7/1/2017 – 6/30/2020

*Predicting, Validating, and Understanding Zooplankton Distributions from Space in an Eddy Rich Ocean*. NASA: \$1,038,803, 1/1/2017 – 12/31/2019

*Pilot Study to Develop a Lipid Budget for Zooplankton in Chesapeake Bay*. MD Sea Grant: \$5,000, 1/1/2017 – 12/31/2017

### E. Seminars and Presentations (first author only, \*=student author)

#### 1. Invited Seminars

Chesapeake Biological Laboratory, Solomons, MD, November 2015

University of Connecticut, Groton, CT, October 2012

University of Delaware, Lewes DE, September 2012

University of Maine / Gulf of Maine Research Institute, Portland, ME, December 2010

Woods Hole Oceanographic Institution, Woods Hole, MA, July 2010

RARGOM Calanus Life Histories Workshop, Portland, ME, March 2010

Smithsonian Environmental Research Center, Edgewater, MD, February 2010

Center for Coastal Physical Oceanography, Old Dominion University, Norfolk, VA, October 2009

Workshop on advancements in modelling physical-biological interactions in fish early-life history: recommended practices and future directions (WKAMF), Sete, France, March 2007

University of South Florida, College of Marine Science, St. Petersburg, FL, September 2007

University of Maryland Center for Environmental Science, Chesapeake Biological Laboratory, Solomons, MD, March 2007

Oregon State University, College of Oceanic and Atmospheric Science, Corvallis, OR, May 2006

## 2. Presentations

- Pierson J.J.**, M. Roman, J. Testa, & D. Elliott. Too Hot to Breathe: The impact of rising temperature and decreased oxygen on zooplankton individuals and populations. 6<sup>th</sup> International ICES/PICES Zooplankton Production Symposium, 2016, Bergen, Norway.
- Pierson J.J.**, N.J. Nidzieko, M.R. Roman, D. Elliott, & C. Fitzgeralds. The roles of behavior and physics in controlling copepod population dynamics in hypoxic systems. Poster Presentation Ocean Sciences Meeting 2014, Honolulu, HI.
- Pierson J.J.**, M.R. Roman, & D. Elliott. Critical and Lethal Dissolved Oxygen of Copepod Habitat in the NGOMEX Region. The 5th Annual NOAA/NGI Gulf Hypoxia Research Coordination Workshop. Stennis Space Flight Center,
- Pierson J.J.**, M.R. Roman, D.G. Kimmel, D. Elliott, W. Boicourt, G. Jahn, A. Barba. Oil, Floods, and Hypoxia: Zooplankton dynamics in the Northern Gulf of Mexico in 2010 and 2011. Poster Presentation Ocean Sciences Meeting 2012, Salt Lake City, UT.
- Pierson J.J.**, M.R. Roman, D.G. Kimmel, D. Elliott, W. Boicourt, G. Jahn, A. Barba. Oil, Floods, and Hypoxia: Zooplankton dynamics in the Northern Gulf of Mexico 2003-2011. Poster Presentation, 3rd Annual Hypoxia Research Coordination Meeting in Bay St. Louis, MS.
- Pierson J.J.**, D.K. Stoecker, M. Roman, D. Elliott, E. Houde, M.B. Decker, K. Liu, & A. Barba. Plankton trophic dynamics in hypoxic waters: seasonal effects and foodweb implications. Oral presentation ICES ASC 2011, Gdansk, Poland.
- Pierson J.J.**, D. Elliott, M. Roman, & P. Lavrentyev. Plankton dynamics and seasonal hypoxia: tracing cause and effect in complex interacting systems. Oral presentation CERF 2011, Daytona Beach, Florida USA.
- Liu W.C., M.B. Decker, & **J.J. Pierson**. Effects of hypoxia on predation of copepods by gelatinous zooplankton in Chesapeake Bay. Oral presentation CERF 2011, Daytona Beach, Florida USA.
- Roman, M., D. Elliott, & **J.J. Pierson**. The influence of dissolved oxygen concentration on the vertical distribution of life stages of the copepod, *Acartia tonsa*, in Chesapeake Bay. Oral presentation CERF 2011, Daytona Beach, Florida USA.
- Elliott, D., **J.J. Pierson**, & M. Roman. Zooplankton composition across environmental gradients in the Northern Gulf of Mexico. Oral presentation CERF 2011, Daytona Beach, Florida USA.
- Barba, A., M.R. Roman, & **J.J. Pierson**. Zooplankton response to hypoxia in the Chesapeake Bay. Poster presentation CERF 2011, Daytona Beach, Florida USA.
- Brandt, S., C. Sellinger, S. Kolesar, M. Roman, **J. Pierson**, & W. Boicourt. How does hypoxia affect habitat quality of fishes? Poster presentation CERF 2011, Daytona Beach, Florida USA.
- Pierson, J.J.**, Leising, A.W., Runge, J., Maps, F., Johnson, C., Plourde, S., Pershing, A. 2010. Predicting the response of copepod dormancy to climate change: Implications for lipid accumulation. Invited Oral Presentation at Ocean Sciences 2010, Portland, OR.
- Pierson, J.J.**, Roman, M.R., Kimmel, D.G., Hood, R.R., Crump, B.C., Keller, D., Dong-Yoon Lee, D., Malpezzi, M. 2009. Estimates of Winter Zooplankton Production in the Chesapeake Bay Estuarine Turbidity Maximum. Oral presentation at Coastal and Estuarine Research Federation 2009 Meeting, Portland, OR.

- Pierson, J.J.**, Frost, B.W., Leising, A.W. 2009. Foray foraging behavior of copepods: An empirical and numerical study. Poster presentation at ASLO Aquatic Sciences Meeting, Nice, France.
- Pierson, J.J.**, Roman, M., Kimmel, D., Zhang, X., Loveland, B., Boicourt, B. Quantitative relationships between zooplankton vertical distribution and oxycline depth: Comparisons between regions, size classes, and time of day. Oral presentation at Ocean Sciences 2008 Meeting, Orlando, FL
- Pierson, J.J.**, Roman, M.R., Kimmel, D.G., Hood, R.R., Keller, D., Crump, B.C., Malpezzi, M. 2007. First observations of winter zooplankton abundance, distribution, and vital rates in the Chesapeake Bay estuarine turbidity maximum. Oral presentation at Estuarine Research Federation 2007 Meeting, Providence, RI
- Pierson, J.J.**, Frost, B.W., Leising, A.W. 2007. Foray foraging behavior in marine copepods. Oral presentation at PICES/ICES Early Career Scientists Conference, Baltimore, MD.
- Pierson, J.J.**, Leising, A.W., Halsband-Lenk, C., Horner, R.A., Postel, J.R., & Frost, B.W. 2005. Prey type effects on zooplankton production: A different view of food limitation. Oral presentation at Estuarine Research Federation 2005 Meeting, Norfolk, VA.
- Pierson, J.J.**, Leising, A.W., Frost, B.W., Horner, R.A., Postel, J.R., & Halsband-Lenk, C. 2004. Species-specific grazing by *Calanus pacificus* and *Pseudocalanus newmani* during phytoplankton blooms in Dabob Bay, Puget Sound (WA). Oral presentation at ASLO/TOS Ocean Sciences Meeting, Honolulu, HI.
- Pierson, J.J.**, & Frost, B.W. 2003. In situ reproduction of *Calanus pacificus* before, during, and after phytoplankton blooms. Oral presentation at 3rd International Zooplankton Production Symposium, Gijon, Spain.
- Pierson, J.J.**, & B.W. Frost. 2002. Fecundity and egg hatching success of *Calanus pacificus* and *Pseudocalanus newmani* during the spring bloom in Dabob Bay, WA. Oral presentation for ASLO Summer Meeting, Victoria, B.C.
- Pierson, J.J.**, Durbin, E.G. & Sullivan, B.K. 2000. Suspended planktonic hydroids: Abundance, distribution, and impact of a rapacious predator. Poster for ASLO/AGU Ocean Sciences, San Antonio, TX

#### F. Workshops Attended:

- NOAA 5th Annual NOAA/NGI Gulf Hypoxia Research Coordination Workshop, Stennis Space Flight Center, MS, July 2014
- EarthCube End-User Domain Workshop: Articulating Cyberinfrastructure Needs of the Ocean Ecosystem Dynamics Community. Woods Hole, MA, October 2013
- NOAA Environmental Science Training Center, Keystone Species Workshop, Oxford, MD, January 2012
- NOAA CSCOR 3rd Annual Hypoxia Research Coordination Meeting in Bay St. Louis, MS, March 2012
- ESSAS OSM 2011 Zooplankton Life Histories: Developing metrics to compare field observations and model results in order to predict climate effects. May 2011
- NOAA Environmental Science Training Center, Keystone Species Workshop, Oxford, MD, January 2011
- RARGOM *Calanus* Life Histories Workshop, Portland, ME, March 2010
- IAN Science Communication Course, April 2008

ICES WKAMF / WGZE Joint Workshop: Workshop on advancements in modelling physical-biological interactions in fish early-life history: recommended practices and future directions (WKAMF), Sete, France, March 2007  
ICES/PICES Early Career Scientist Conference, June 2007

G. Active Memberships in Professional Societies

American Geophysical Union  
American Society of Limnology and Oceanography  
Coastal and Estuarine Research Federation  
The Oceanography Society

**V. Teaching and Training**

Member, UMCES Graduate Faculty  
Member, MEES Faculty and USM Inter-Institutional Graduate Faculty

A. University System of Maryland Courses Taught

MEES 608M: Long Term Monitoring Data from Chesapeake Bay  
MEES 621: Biological Oceanography (guest lecturer for one week)  
MEES 608A: Classic Readings in Oceanography  
MEES 698G (Now MEES 637): Zooplankton Ecology, 2010 and 2012  
MEES 608O: Dispersion, degradation, and ecosystem effects of oil in the marine environment

B. Past Teaching Experience

TA, Oceanography Senior Thesis Series, OCEAN 443 / 444, Winter / Spring 2005, University of Washington  
TA, Introduction to Oceanography, OCEAN 200, Autumn 2002, University of Washington  
Guest Lectures (University of Washington & University of Maryland):  
Zooplankton Ecology, Modeling lecture, MEES 698E, Autumn 2007  
Design of Oceanographic Field Experiments, OCEAN 443, Spring 2003, 2004  
Honors Field Investigations in Marine Biology, OCEAN/SAFS 351, Spring 2003  
Survey of Oceanography, OCEAN 101, Spring 2002  
Ecology and Evolution, BIOL 203 (cf. BIOL 180), Winter 2000, 2001

**VI. Student Training**

A. Committee Chair

Katherine Liu (PhD)  
Nicole Millette (PhD) – Graduated 2016  
Juan Alvarez (PhD)

B. Committee Member

Katherine Hornick, Horn Point Laboratory (MS)  
Ali Barba, Horn Point Laboratory (MS)  
Katherine Bentley, Horn Point Laboratory (MS)  
Adam Wickline, University of Delaware (MS)



Jake Goodwin, Horn Point Laboratory (PhD)  
Hillary Lane, College Park (PhD)  
Wei Liu, Horn Point Laboratory (PhD)  
Ejiro Mayor, University of Maryland Eastern Shore (PhD)  
Efeturi Oghenekaro, University of Maryland Eastern Shore (PhD)  
Brienne Walsh, Horn Point Laboratory (MS)

#### C. Research Internships Supervised

Alison Aceves, REU student, Summer 2015  
Gabrielle King, REU student, Summer 2014  
Alberto Rivera, REU student, UPR Bayamon, Summer 2014  
Eduardo Perez, REU student, UPR Bayamon, Summer 2014  
Cristina Villalobos, REU student, Summer 2013  
Isabel Sanchez, PR REU student, Summer 2013  
Carlos Mota, PR REU student, Summer 2013  
Carolina Mendez, REU student, Summer 2012  
Luis Rivera, PR REU student, Summer 2012  
Sheyla Acevedo, PR REU student, Summer 2012  
Daniel Yeager, COSEE intern, Hampton University, Summer 2010  
Lenise Goggins, COSEE intern, Hampton University, Summer 2010  
Carol Smith, COSEE teacher intern, Summer 2010  
Diane Lee, COSEE teacher intern, Summer 2010  
William Ludt, REU student, Summer 2008  
Marsha-Gail Davis, REU student, Summer 2009

### VII. Outreach and Service

#### A. Outside University of Maryland

NSF Panels, May 2014, July 2015  
ASLO Online Media Library Committee, 2015 – Present  
Oregon State Sea Grant Panels, 2011, 2015  
Session Chair, Ocean Sciences 2016, “ME44A: Plankton Grazing and Selectivity in Marine Food Webs Posters”  
Session Chair, CERF Meeting, 2011, “Zooplankton dynamics in a changing world: from individual to population”  
Session Chair, ICES ASC, 2011, “Integrating micro- and meso-zooplankton in marine food web research”  
Session Chair, ASLO Meeting, 2011, “Consequences of Hypoxia for Living Resources and Biogeochemical Cycles”  
Session Chair, Ocean Sciences 2010, “Plankton Grazing Rates in the Sea: So Many Methods, So Much Learned, So Much To Do”  
Session Chair, CERF 2009, “Zooplankton Dynamics in Estuarine and Coastal Systems”  
Chief Scientist for NOAA NRDA Plankton Monitoring Cruises in the Gulf of Mexico following the Deepwater Horizon Oil Spill

Paper Reviewer for *Journal of Plankton Research*, *Ecological Modelling*, *Limnology and Oceanography*, *Marine Ecology-Progress Series*, *Journal of Experimental Marine Biology and Ecology*, *Elementa*, *PLOS One*

Proposal Reviewer for NSF Biological Oceanography, Oregon Sea-Grant

B. University of Maryland

MEES Program Committee, 2015-2016

UMCES Website Redesign Committee, 2015-Present

LMRCSC Research Committee, 2012-Present

MEES Admission Committee, Oceanography AOS, 2011-Present

REU Selection Committee, 2010, 2015

C. Laboratory Committees

HPL Education Committee 2010-2012, 2016-Present

HPL Boat Committee 2016-Present (Chair)

HPL Computer Committee, 2014-2016

HPL Seminar Chair, Autumn 2012, Spring 2015

HPL Library Committee, 2012-2014

HPL Open House Committee, 2010-2012

HPL Christmas Parade Committee, 2007-2010