CURRICULUM VITAE

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Research Interests

Zooplankton Ecology
Biogeochemical Cycles and Climate Variability
Ocean Sensor Technology

Education

1995	Ph.D., Ecology, University of Tennessee
1990	M.S., Fisheries, University of Washington
1973	B.S., Biological Oceanography, University of Washington

Professional Experience

2014 -	Professor, College of Marine Science, University of South Florida
2007 - 14	Associate Professor, College of Marine Science, University of South Florida
2006 - 07	Director, ORION Program, Joint Oceanographic Institutions, Washington, DC
2001 - 07	Assistant Professor, College of Marine Science, University of South Florida
1997 - 01	Associate Program Director, Biological Oceanography Program National Science Foundation
1995 - 01	Research Associate, University of Tennessee
1995 - 97	Alexander Hollaender Distinguished Postdoctoral Fellow Oak Ridge National Laboratory/Department of Energy
1991 - 95	Research Assistant, Department of Ecology and Evolutionary Biology, University of Tennessee
1973 - 91	Assistant, Associate, Senior Oceanographer, Department of Oceanography, University of Washington

Honors, Awards, Recognition, and Fellowships

2016	University of South Florida Outstanding Faculty Award
2015	Fellow, American Association for the Advancement of Science (AAAS)
2013	ARCS STEM Collaborative Partnership Award for participation in Gulf Oil Spill First Responder Team.
2007	Alfred P. Sloan Certificate of Appreciation for mentoring underrepresented minorities.
1995	Alexander Hollaender Distinguished Postdoctoral Fellowship/DOE
1995	Editors Citation for Excellence in Reviewing, JGR Oceans
1995	Science Alliance Award, Outstanding Scholarly Achievement, University of Tennessee
1994	Science Alliance Award, Outstanding Scholarly Achievement, University of Tennessee

1994 Scholarly Activities Research Incentive Award, University of Tennessee
1993 Science Alliance Award, Outstanding Scholarly Achievement, University of Tennessee
1992 Science Alliance Award, Outstanding Scholarly Achievement, University of Tennessee
1984 Antarctic Service Medal, National Science Foundation

Professional Society Membership

American Society of Limnology and Oceanography
The Oceanography Society
The American Geophysical Union
American Association for the Advancement of Science
Marine Technology Society

Refereed Publications

2020 Quigg, A., U. Passow, K.L. Daly, A. Burd, D.J. Hollander, P.T. Schwing, and K. Lee. Chapter 12: Marine Oil Snow Sedimentation and Flocculent Accumulation (MOSSFA) events: Learning from the past to predict the future. pp: 199-224, In: Murawski SA, Ainsworth C, Gilbert S, Hollander D, Paris CB, Schlüter M, Wetzel D (Eds.) **Deep Oil Spills – Facts, Fate and Effects.** Springer 608 pp. ISBN 978-3-030-11605-7 (eBook) https://doi.org/10.1007/978-3-030-11605-7. [released in 2019 with 2020 publication date]

Daly, K.L., A. Vaz, and C.B. Paris. Physical processes influencing the sedimentation and lateral transport of MOSSFA in the NE Gulf of Mexico. In, Murawski, S., D Hollander, C. Aimsworth, C.B. Paris, M. Schluter, D. Wetzer, eds. **Scenarios and Responses to Future Deep Oil Spills.** Spring Science. doi10.1007/978-3-030-12963-7_18. [released in 2019 with 2020 publication date]

2019 Crowley, C.E., D. Chagaris, R.L. Gandy, and K.L. Daly. Evaluation of Florida stone crab life history and management scenarios using spawning potential ratios. **Fisheries Research** 209:196-207, DOI: 10.1016/j.fishres.2018.09.017.

Crowley, C.E., C.P. Shea, R.L. Gandy, and K.L. Daly. Fecundity assessment of stone crabs in the eastern Gulf of Mexico. **Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science** 11: 32-47, DOI: 10.1002/mcf2.10059.

Hitchcock, G., S. Chakraborty, and K.L. Daly. Biological oceanography of the Gulf of Mexico. In, Bianchi. T.S. and H. Bustos-Serrano (eds), **Gulf of Mexico Origin, Waters, and Biota: Volume 5 Chemical Oceanography**. Texas A&M University Press, 294 pp.

2018 Robbins, L., K.L. Daly, L. Barbero, R. Wanninkhof, R. He, H. Zong, J. Lisle, W. Cai, C. Smith. Spatial and temporal variability of pCO_2, carbon fluxes and saturation state on the West Florida Shelf. **Journal of Geophysical Research Oceans 123.** https://doi.org/10.1029/2018JC014195.

Crowley, C.E., R.L. Gandy, K.L. Daly, and E.H. Leone. Assessment of Maturity in the Eastern Gulf of Mexico Florida Stone Crab *Menippe mercenaria*. **Transactions of the American Fisheries Society** 147: 1124-1145, http://dx.doi.org/10.1002/tafs.10109.

Dissanayake, A. L., Burd, A. B., Daly, K.L., Francis, S., & Passow, U. (2018). Numerical modeling of the interactions of oil, marine snow, and riverine sediments in the ocean. **Journal of Geophysical Research: Oceans** 123. https://doi.org/10.1029/2018JC013790.

Kim, S., B. Saenz, J. Scaniello, K. Daly, and D. Ainley. Fast Ice Dynamics in McMurdo Sound. **Antarctic Science**, https://doi.org/10.1017/S0954102017000578.

Ainsworth, C. C. Paris, N, Perlin, L. Dornberger, W. Patterson, E. Chancellor, S. Murawski, D. Hollander, K. Daly, I. Romero, F. Coleman, and H. Perryman. Impacts of the Deepwater Horizon oil spill evaluated using an end-to-end ecosystem model. **PLoS On** 13(1):e0190840. DOI: 10.1371/journal.pone.0190840.

2017 Atkinson, A., S.L. Hill, E.A. Pakhomov, V. Siegel, R. Anadon, S. Chiba, K.L. Daly, R. Downie, P. Fretwell, L. Gerrish, G.W. Hosie, M.J. Jessopp, So Kawaguchi, B.A. Krafft, V. Loeb, J. Nishikawa, H.J. Peat, C.S. Reiss, R.M. Ross, L.B. Quetin, K. Schmidt, D.K. Steinberg, R.C. Subramaniam, G.A. Tarling, and P. Ward. KRILLBASE: a multinational, circumpolar database of abundance of Antarctic krill and salps**. Earth System Science Data** 9: 193-210; doi:10.5194/essd-2016-52

2016 Daly, K.L., U. Passow, J. Chanton, and D. Hollander. Assessing the impacts of oil-associated marine snow formation and sedimentation during and after the Deepwater Horizon oil spill. **Anthropocene** 13:18-33, http://dx.doi.org/10.1016/j.ancene.2016.01.006. One of the top five downloaded papers in 2016.

Hunt, G.L. Jr., K.F. Drinkwater, K. Arrigo, J. Berge, K.L. Daly, S. Danielson, M. Daase, H. Hop, E. Isla, N. Karnovsky, K. Laidre, E. Murphy, F. Mueter, P. Renaud, W. Smith, P. Trathan, and D. Wolf-Gladrow. Advection in polar and sub-polar environments: Impacts on high latitude marine ecosystems. **Progress in Oceanography** 149: 40-81, doi:10.1016/j.pocean.2016.10.004.

Barker, L.D.L., S.L. Kim, B.T. Saenz, D.J. Osborne, and K.L. Daly. Towable instrumentation for use with a hand-deployed remotely operated vehicle. **Oceans16 MTS IEEE Conference Proceedings**, Sept. 20-22, Monterey, CA.

Murawski, S.A., J. Fleeger, W. Patterson, III, C. Hu, K. Daly, I. Romero, and G.A. Toro-Farmer. How Did the *Deepwater Horizon* Oil Spill Affect Nearshore Ecosystems of the Gulf of Mexico? **Oceanography** 29 (3):160–173, http://dx.doi.org/10.5670/oceanog.2016.80.

Seibel, B. A., J.A. Schneider, S. Kartvedt, K. Wishner, and K.L. Daly. Hypoxia tolerance in oxygen minimum zone euphausiids: implications for ocean deoxygenation and biogeochemical cycles. **Integrative and Comparative Biology** 1–14; doi:10.1093/icb/icw091.

2015 Netchy, K., P. Hallock, K.S. Lunz, and K.L. Daly. Epibenthic mobile invertebrate diversity structured by coral habitat in Florida. **Marine Biodiversity**, DOI 10.1007/s12526-015-0388-7.

Walsh, J.J., J.M. Lenes, B. Darrow, A.A. Parks, R.H. Weisberg, L. Zheng, C. Hu, B.B. Barnes, K.L. Daly, S. –I. Shin, G.R. Brooks, W.H. Jeffrey, R.A. Snyder and D. Hollander. A simulation analysis of the plankton fate of the Deepwater Horizon oil spills in 2010-2011. Continental Shelf Research 107: 50-68; doi:10.1016/j.csr.2015.07.002.

Martz, T., K.L. Daly, R. Byrne, J. Stillman, and D. Turk. Technology for ocean acidification research: Needs and availability. **Oceanography** 28 (2): 40-47.

Cass, C.J., and K.L. Daly. Ecological characteristics of eucalanoid copepods of the eastern tropical north Pacific Ocean: Adaptations for life within a low oxygen system. **Journal of Experimental Marine Biology and Ecology** 468: 118-129.

2014 Cass, C.J. and K.L. Daly. Eucalanoid copepod metabolic rates in the oxygen minimum zone of the eastern tropical north Pacific: Effects of oxygen and temperature. **Deep Sea Research** I 94: 137-149.

Crowley, C.E, R.L. Gandy, K.L. Daly, E.S. Van Vleet. Problems associated with a lipofuscin extraction method used to age blue crabs (*Callinectes sapidus*) cultured in Florida, USA. **Aquatic Biology** 21: 85-92.

Cass, C.J., K.L. Daly, and S.G. Wakeham. Lipid composition of tropical eucalanoid Copepods: Assessment of feeding strategies and storage lipid accumulation patterns. **Deep Sea Research I** 93: 117-130. DOI: 10.1016/j.dsr.2014.08.001.

2013 Batchelder, H.P., K.L. Daly, C.S. Davis, R. Ji, M.D. Ohman, W.T. Peterson, and J.A. Runge. 2013. Climate impacts on zooplankton population dynamics in coastal marine ecosystems. **Oceanography** 26(4): 34–51, http://dx.doi.org/10.5670/oceanog.2013.74.

Ballerini, T., E. E. Hofmann, D.G. Ainley, K.L. Daly, M. Marrari, C. Ribic, W.O. Smith, Jr., and J. H. Steele. Productivity and linkages of the food web of the southern region of the western Antarctic Peninsula. **Progress in Oceanography** 122: 10-29. doi.org./10.1016/j.pocean.2013.11.007.

Paul, J.H., D. Hollander, P. Coble, K.L. Daly, S. Murasko, D. English, J. Basso, J. Delaney, L. McDaniel, and C. Kovach. Toxicity and mutagenicity of Gulf of Mexico waters during and after the Deepwater Horizon oil spill. **Environmental Science & Technology** 47 (17): 9651–9659, **DOI:** 10.1021/es401761h.

Piñones, A., E.E. Hofmann, K.L. Daly, M.S. Dinniman, and J.M. Klinck. Modeling environmental controls on the transport and fate of early life history stages of Antarctic krill (*Euphausia su*perba) on the western Antarctic Peninsula continental shelf. **Deep-Sea Research I** 82: 17-31.

Wishner, K.F., D. Outram, B. Seibel, K.L. Daly, and R.L. Williams. Zooplankton in the eastern tropical north Pacific: Boundary effects of oxygen minimum zone expansion. **Deep-Sea Research I** 79: 122-140. 10.1016/j.dsr.2013.05.012. [One of the top five most cited papers in Deep Sea Research 2013-2016.]

Wirt, K., P. Hallock Muller, D. Palandro, and K.L. Daly. Potential habitat of *Acropora* spp. on Florida reefs. **Applied Geography** 39:118-127. Article in Science Letter, June 28, 2013.

Piñones, A., E.E. Hofmann, K.L. Daly, M.S. Dinniman, and J.M. Klinck. Modeling the remote and local connectivity of Antarctic krill (*Euphausia superba*) populations along the western Antarctic Peninsula. **Marine Ecology Progress Series** 481: 69-92.

Olson, M.B. and K.L. Daly. Micro-grazer biomass, composition and distribution across prey resource and dissolved oxygen gradients in the far eastern tropical north Pacific Ocean. **Deep-Sea Research I** 75: 28-38.

2012 Halpern, B.S., Catherine Longo, Darren Hardy, Karen McLeod, Jameal F. Samhouri, Steven K. Katona, Kristin Kleisner, Sarah E. Lester, Jennifer O'Leary, Marla Ranelletti, Andrew A. Rosenberg, Courtney Scarborough, Elizabeth Selig, Ben Best, Daniel Brumbaugh, F. Stuart Chapin, Larry Crowder, Kendra L. Daly, Scott Doney, Michael J. Fogarty, Steven D. Gaines, Kelsey Jacobsen, Leah Bunce Karrer, Heather M. Leslie, Daniel Pauly, Stephen Polasky, Kevin St.

Martin, Gregory S. Stone, U. Rashid Sumaila, Heather Tallis, Dirk Zeller. An Ocean Health Index: quantifying and mapping the health of global marine ecosystems. **Nature** 488: 615-620_10.1038/nature11397. [Smithsonian rated this paper one of the 10 best ocean stories of the year. http://blogs.smithsonianmag.com/science/2012/12/the-ten-best-ocean-stories-of-2012/]

Murphy, E.J., R.D. Cavanagh, E.E. Hofmann, S.L. Hill, A.J. Constable, D.P. Costa, M.H. Pinkerton, N.M. Johnston, P.N. Trathan, J.M. Klinck, D.A. Wolf-Gladrow, K.L. Daly, O. Maury, and S. C. Doney. Developing integrated models of Southern Ocean food webs: including ecological complexity, accounting for uncertainty and the importance of scale. **Progress in Oceanography** 102: 74–92.

Felatyev, S., M. Shreve, K. Kramer, L. Hall, D. Goldgof, R. Kasturi, K. Daly, A. Remsen, and H. Bunke. Label-Noise Reduction with Support Vector Machines. **International Conference on Pattern Recognition** (ICPR), November 2012, Tsukuba Science City, Japan.

2011 Hu, C., R.H. Weisberg, Y.Liu, L. Zheng, K.L. Daly, D.C. English, J. Zhao, and G.A. Vargo. Did the northeastern Gulf of Mexico become greener after the Deepwater Horizon oil spill? **Geophysical Research Letters** 38, L09601, doi:10.1029/2011GL047184.

Cass, C.J., S.G. Wakeham, and K.L. Daly. Lipid composition of tropical and subtropical copepod species of the genus *Rhincalanus* (Copepoda: Eucalanidae): A novel fatty acid and alcohol signature. **Marine Ecology Progress Series** 439: 127-138.

Marrari, M. K.L. Daly, A. Timonin, and T. Semenova. The zooplankton of Marguerite Bay, western Antarctic Peninsula. Part I: Abundance, distribution, and population response to variability in environmental conditions. **Deep-Sea Research II** 58: 1599-1613, 10.1016/j.dsr2.2010.12.007.

Marrari, M. K.L. Daly, A. Timonin, and T. Semenova. The zooplankton of Marguerite Bay, western Antarctic Peninsula. Part II: Vertical distributions and habitat partitioning. **Deep-Sea Research II** 58: 1614-1629, 10.1016/j.dsr2.2010.12.006.

Fefilatyev, S., K. Kramer, L. Hall, D. Goldgof, R. Kasturi, A. Remsen, K. Daly. Detection of Anomalous Particles from the Deepwater Horizon Oil Spill Using the SIPPER3 Underwater Imaging Platform. **Proceedings of International Conference on Data Mining Workshops**, p. 741-748. **Awarded Data Mining Practice Prize** at the IEEE International Conference on Data Mining (ICDM), Vancouver, Canada, December 11-14, 2011. DOI 10.1109/ICDMW.2011.65.

2009 Spear, A., K. Daly, D. Huffman, and L. Garcia-Rubio. Progress in developing a new detection method for the harmful algal bloom species, *Karenia brevis*, through multiwavelength spectroscopy. **Harmful Algae** 8: 189-195.

Zielinski, O., J.A. Busch, A.D. Cembella, K.L. Daly, J. Engelbrektsson, A. Hannides, A. Kőhler, and H. Schmidt. Detecting marine hazardous substances: A review on sensors for pollution, toxins, and pathogens. **Ocean Science** 5: 1-21.

Adornato, L., Cardenas-Valencia, A., Kaltenbacher, E., Byrne, R.H., Daly, K., Larkin, K., Hartman, S., Mowlem, M., Prien, R.D., Garcon, V., "In Situ Nutrient Sensors for Ocean Observing Systems", in **Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society"** Conference (Vol. 2), Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds. ESA Publication WPP-306, 2010.

Brasseur, L., M. Tamburri, Alexander, C., D. Au, S. Banahan, B. Bornhold, K. Daly, D. Kelley, A. Plueddemann. Sensor Needs and Readiness Levels for Ocean Observing: An Example from the Ocean Observatories Initiative (OOI). **Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society"** Conference (Vol. 2), Venice, Italy, 21-25 September 2009, Hall, J., Harrison D.E. and Stammer, D., Eds., ESA Publication WPP-306, 2010.

2008 Marrari, M., K.L. Daly and C. Hu. Spatial and temporal variability of SeaWiFS derived chlorophyll distributions west of the Antarctic Peninsula: Implications for krill production. **Deep Sea Research II** 55: 377-392.

2007 Deibel, D. and K.L. Daly. Zooplankton Processes in Arctic and Antarctic Polynyas. In, Smith, W.O., Jr. and D. Barber (eds), Polynyas: Windows into Polar Oceans. **Elsevier Oceanography Series** 74: 271-322.

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2006 Scolardi, K., K.L. Daly, E.A. Pakhomov, and J.J. Torres. Feeding ecology and metabolism of the Antarctic Cydippid ctenophore *Callianira antarctic.* **Marine Ecology Progress Series** 317: 111-126.

Marrari, M., C. Hu, K.L. Daly. Validation of SeaWiFS chlorophyll *a* concentrations in the Southern Ocean: A revisit. **Remote Sensing of Environment** 105: 367-375.

2005 Daly, K.L. Women in Oceanography. **Oceanography** 18 (1): 101.

2004 Daly, K.L., R.H. Byrne, A.G. Dickson, S.M. Gallager, M.J. Perry, and M.K. Tivey. Chemical and biological sensors for time-series research: Current status and new directions. **Marine Technology Society Journal** 38 (2): 122-144.

Daly, K.L. and J. Zimmerman. Comparisons of morphology and neritic distributions of *Euphausia crystallorophias* and *Euphausia superba* furcilia during autumn and winter west of the Antarctic Peninsula. **Polar Biology** 28: 72-81. DOI: 10.1007/s00300-004-0660-y.

Ju, S.-J., K. Scolardi, K.L. Daly, and H.R. Harvey**.** Understanding the trophic role of ctenophore *Callianira antarctica* in an Antarctic ecosystem using lipid biomarkers. **Polar Biology** 27: 782–792, DOI: 10.1007/s00300-004-0652-y.

Daly, K.L. Overwintering growth and development of larval *Euphausia superba*: An interannual comparison under varying environmental conditions west of the Antarctic Peninsula. **Deep-Sea Research** II 51: 2139-2168. GLOBEC contribution number 457.

2003 DiTullio, G.R., M.E. Geesey, D.R. Jones, K.L. Daly, L. Campbell, and W.O. Smith, Jr. Phytoplankton assemblage structure and primary productivity along 170ºW in the South Pacific Ocean. **Marine Ecology Progress Series** 255: 55-80.

Ackley, S.F., J.L. Bengtson, P. Boveng, M. Castellini, K.L. Daly, S. Jacobs, G.L. Kooyman, J. Laake, L. Quetin, R. Ross, D.B. Siniff, B.S. Stewart, I. Stirling, J. Torres, and P.K. Yochem. A top-down, multidisciplinary study of the structure and function of the pack-ice ecosystem in the Eastern Ross Sea, Antarctica. **Polar Record** 39: 219-230.

2002 Hofmann, E.E., D.P. Costa, K.L. Daly, J.M. Klinck, W.R. Fraser, and J.J. Torres. U.S. Southern Ocean Global Ocean Ecosystem Dynamics Program. **Oceanography** 15 (2): 64-74.

2001 Daly, K.L., W.O. Smith, Jr., G.C. Johnson, G.R. DiTullio, D.R. Jones, C.W. Mordy, R.A. Feely, D.A. Hansell, and J.-Z. Zhang. Hydrography, nutrients, and carbon pools in the Pacific sector of the Southern Ocean: Implications for carbon flux. **Journal of Geophysical Research** 106, No. C4: 7107-7124. U.S. JGOFS contribution number 708.

Bathmann, U., M.H. Bundy, M.E. Clarke, T.J. Cowles, K. Daly, H.G. Dam, M.M. Dekshenicks, P.L. Donaghay, D.M. Gibson, D.J. Gifford, B.W. Hansen, D.K. Hartline, E.J.H. Head, E.E. Hofmann, R.R. Hopcroft, R.A. Jahnke, S.H. Jonasdottir, T. Kiorboe, G.S. Kleppel, J.M. Klinck, P.M. Kramer, M.R. Landry, R.F. Lee, P.H. Lenz, L.P. Madin, D.T. Manahan, M.G. Mazzocchi, D.J. McGillicuddy, C.B. Miller, J.R. Nelson, T.R. Osborn, G.A. Paffenhofer, R.E. Pieper, I. Prusova, M.R. Roman, S. Schiel, H.E. Seim, S.L. Smith, J.J. Torres, P.G. Verity, S.G. Wakeham, and K.F. Wishner. Future marine zooplankton research - a perspective. **Marine Ecology Progress Series** 222: 297-308.

2000 Daly, K.L. Meeting explores sensor technology for remote, interactive aquatic experiments. **EOS, Trans. Am. Geophys. Union** 81: 580.

1999 Daly, K.L., D.W.R. Wallace, W.O. Smith, Jr., A. Skoog, R. Lara, M. Gosselin, E. Falck, and P. Yager. Non-Redfield carbon and nitrogen cycling in the Arctic: Effects of ecosystem structure and function. **Journal of Geophysical Research** 104, No. C2: 3185-3199.

1998 Daly, K.L. Physioecology of juvenile Antarctic krill (*Euphausia superba*) during spring in ice-covered seas. In: M. Lizotte and K. Arrigo (eds.), Antarctic Sea Ice: Biological Processes. **AGU Antarctic Research Series** 73: 183-198.

Pesant, S., L. Legendre, M. Gosselin, C. Ashjian, B. Booth, K. Daly, L. Fortier, H.-J. Hirche, J. Michaud, R.E.H. Smith, S. Smith, and W.O. Smith, Jr. Pathways of carbon cycling in the euphotic zone: the fate of large-sized phytoplankton in the Northeast Water Polynya. **Journal of Plankton Research** 20: 1267-1291.

1997 Daly, K.L. Flux of particulate matter through copepods in the Northeast Water Polynya. **Journal of Marine Systems** 10: 319-342.

Smith, W.O., Jr., M. Gosselin, L. Legendre, D.W.R. Wallace, K.L. Daly and G. Kattner. New production in the Northeast Water Polynya: 1993. **Journal of Marine Systems** 10: 199-209.

1996 Daly, K.L. and G.R. DiTullio. Particulate dimethylsulfoniopropionate removal and dimethylsulfide production by zooplankton in the Southern Ocean, pp. 223-238. In: R.P. Kiene, P.T. Visscher, M.D. Keller and G.O. Kirst (eds.), **Biological and Environmental Chemistry of DMSP and Related Sulfonium Compounds**. Plenum Press.

1995 Macaulay, M.C., K.F. Wishner, and K.L. Daly. Acoustic scattering from zooplankton and micronekton in relation to a whale feeding site near Georges Bank and Cape Cod. **Continental Shelf Research** 15: 509-537.

1993 Deutschman, D.H., G.A. Bradshaw, W.M. Childress, K.L. Daly, D. Grunbaum, M. Pascual, N. Schumaker, and J. Wu. Mechanisms of patch formation, pp 184-208. In: S. Levin, T. Powell,

and J. Steele (eds.), Patch dynamics. **Lecture Notes in Biomathematics** 96. Springer-Verlag, Berlin.

Daly, K.L. and W.O. Smith, Jr. Physical-biological interactions influencing marine plankton production. **Annual Review of Ecology and Systematics** 24: 555-585.

1991 Daly, K.L. and M.C. Macaulay. The influence of physical and biological mesoscale dynamics on the seasonal distribution and behavior of *Euphausia superba* in the antarctic marginal ice zone. **Marine Ecology Progress Series** 79: 37-66.

1990 Daly, K.L. Overwintering development, growth, and feeding of larval *Euphausia superba* in the Antarctic marginal ice zone. **Limnology and Oceanography** 35 (7): 1564-1576.

1988 Daly, K.L. and M.C. Macaulay. Abundance and distribution of krill in the ice edge zone of the Weddell Sea, austral spring 1983. **Deep-Sea Research** 35: 21-41.

Ainley, D.G., W.R. Fraser, and K.L. Daly. Effects of pack ice on the composition of micronektonic communities in the Weddell Sea, pp 140- 145. In: D. Sahrhage (ed.), **Antarctic Ocean and Resources Variability**. Springer-Verlag, Berlin.

1987 Daly, K.L. Order Mysidacea, pp 320-324. In: E.N. Kozloff (ed.), Marine invertebrates of the Pacific Northwest. **University of Washington Press**.

Macaulay, M.C. and K.L. Daly. A collapsible opening-closing net for zooplankton sampling through ice. **Journal of Plankton Research** 9: 1069-1073.

1986 Daly, K.L. and C. Holmquist. A key to the Mysidacea of the Pacific Northwest. **Canadian Journal of Zoology** 64: 1201-1210.

Daly, K.L. and D.M. Damkaer. Population dynamics and distribution of *Neomysis mercedis* and *Alienacanthomysis macropsis* (Crustacea: Mysidacea) in relation to the parasitic copepod *Hansenulus trebax* in the Columbia River Estuary. **Journal of Crustacean Biology** 6: 840-857.

1982 Ross, R., K.L. Daly, and T.S. English. Reproductive cycles and fecundity of *Euphausia pacifica* in Puget Sound, Washington. **Limnology and Oceanography** 27: 304-314.

1980 Macaulay, M.C., K.L. Daly, and T.S. English. Acoustic observations of biological volume scattering in the vicinity of the IXTOC-1 blowout, pp. 449-452. In: Proceedings of the Symposium on the Preliminary Results from the September, 1979 Pierce/ Research IXTOC-1 Cruises. Key Biscayne, Florida, June 9-10, 1980. Publications Office, NOAA/RD/MP3, Office of Marine Pollution Assessment, NOAA, US Dept. of Commerce, 325 Broadway, Boulder, CO 80303, USA**.**

Non-Refereed Publications

2014 Daly, K.L. Data Product Specification for Dissolved Nitrate Concentration (L1 NITRDIS and L2 NITRTSC) from the NUTNR Instrument Class. OOI Document Control Number 1341-00620, 31 pp.

Daly, K.L. Women in Oceanography: Autobiographical Sketches. Oceanography 27 (4): 91.

2013 Boget, E., R. Collier, G. Cram, K. Daly, G. Denny, G. Harkins, D. Luther, V. Miller, D. Russell, W. Waldorf. RSN and EA Mooring Winch Requirements Trade Study. OOI Document Number 4814-71402

2012 Buesseler, K., F. Chai, K. Daly, D. Karl. Response statement on recent iron dumping off west coast of Canada. OCB website (http://www.whoi.edu/ocb-fert/page.do?pid=38315), November 2, 2012.

Daly, K.L. Data Product Specification for Photosynthetically Active Radiation (PAR) for Satlantic Instrument on RSN Shallow Profiler. OOI Document Control Number 1341-00720.

2011 Daly, K.L. Directions for Biology for Ocean Observing. GEOSS Workshop XLII-Oceans (extended abstract). September, Kona, Hawaii.

2010 Daly, K.L., F. Chan, and N. Rabalais. Low Oxygen Regions in the Oceans. Ocean Carbon and Biogeochemistry Newsletter 3(2): 6-9.

Coble, P.G., L.L. Robbins, K.L. Daly, W.-J. Cai, K. Fennel, S.E Lohrenz. A Preliminary Carbon Budget for the Gulf of Mexico. Ocean Carbon and Biogeochemistry Newsletter 3(3): 1-4.

2009 Hofmann, E.E, Costa, D.P., Daly, K.L., Dinniman, M.S., Klinck, J.M., Marrari, M., Padman, L., Piñones, A. Results from US Southern Ocean GLOBEC Synthesis Studies. GLOBEC International Newsletter 15(1), 43-48.

2008 Daly, K., D. Au, S. Gallager, and D. Luther. Profiling Mooring Workshop for the Ocean Observatories Initiative, 10-12 July 2007, Denver, CO. http://www.oceanleadership.org/ocean_observing

2007 Daly, K. (editor). ORION: Revolutionizing Ocean and Earth Research. Brochure, 12 pp.

Torres, J.J., K.L. Daly, H.R. Harvey, S.-J. Ju, L.B. Quentin, R.M. Ross, S.M. Gallager. The physiology of fall and winter krill (*Euphausia superba*) in the waters of the western Antarctic Peninsula shelf. GLOBEC International Newsletter, April: 60-62.

2006 Daly, K., R. Jahnke, M. Moline, R. Detrick, D. Luther, G. Matsumoto, L. Mayer, and K. Raybould. The OOI Design and Implementation Workshop Report. March 27 – 30,2006, Salt Lake City, UT, 37 pp. Joint Oceanographic Institution, Consortium for Ocean Research and Education, and the National Science Foundation, Washington, D.C.

2005 Brink, K. et al. The Ocean Observatories Initiative Science Plan: Revealing the Secrets of our Ocean Planet. Washington, D.C., 102 pp. http://www.oceanleadership.org/files/OOI_Science_Plan.pdf

2002 Jahnke, R., L. Atkinson, J. Barth, F. Chavez, K. Daly, J. Edson, P. Franks, J. O'Donnell, O. Schofield. Coastal Ocean Processes and Observatories: Advancing Coastal Research, Report CoOP Observatory Science Workshop, May 7-9, 2002, Savannah, Georgia, CoOP Report 8, TR-02-01.

2001 Daly, K.L., S. Samson, T. Hopkins, A. Remsen, T. Sutton, and L. Langebrake. Sensor technology for zooplankton assessment. In, Harada, K. and Dickey, T. (eds), Proceedings for International

Workshop on Autonomous Measurements of Biogeochemical Parameters in the Ocean, Honolulu, February 2001.

2000 Daly, K., H.L. Clark, G. Griffiths, and J. Delaney. Sensor Technology for Remote, Interactive, Aquatic Experiments. Report for ASLO Workshop, Copenhagen, June 2000.

1994 Daly, K.L. and G.R. DiTullio. Biogenic production of dimethyl sulfide: Krill grazing. Antarctic Journal of the United States 28 (5): 141-142.

1989 Daly, K.L. and M.C. Macaulay. AMERIEZ 1988: Abundance and distribution and overwintering strategies of krill in the ice edge zone. Antarctic Journal of the United States 24 (5): 165-166.

1988 Macaulay, M.C., K.L. Daly, and B.W. Frost. AMERIEZ 1986: Acoustic assessment of krill (*Euphausia superba*, Dana). Antarctic Journal of the United States 22: 176-178.

1984 Macaulay, M.C., K.L. Daly, and O.A. Mathisen. Acoustic assessment of the distribution and abundance of micronekton and nekton in the Scotia Sea, March 1984. Antarctic Journal of the United States 19: 141-143.

Macaulay, M.C., K.L. Daly, and T.S. English. Acoustic and net assessment of the distribution and abundance of micronekton and nekton in the Weddell Sea, Nov. - Dec. 1983. Antarctic Journal of the United States 19:115-117.

Presentations at National/International Professional Meetings/Conferences/ or Invited Lectures

2019 Jokusldottir, T. A. Burd, S. Francis, K. Daly, and U. Passow. Modeling the Conditions Required for a MOSSFA Event. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 4-7, New Orleans, LA.

Daly, K.L., A. Vaz, and C.B. Paris. Physical processes influencing the sedimentation and lateral transport of MOSSFA in the NE Gulf of Mexico. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 4-7, New Orleans, LA.

Francis, S., A. Burd, K. Daly, T. Jokulsdottir, and U. Passow. Estimation of the removal rate of dispersed oil via scavenging by phytoplankton aggregates: an operational subroutine for use in oil spill models. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 4-7, New Orleans, LA.

Dubickas, K., K. Daly, and G.A. Zapfe. Zooplankton community structure in the NE Gulf of Mexico before and after the Deepwater Horizon oil spill. ASLO Aquatic Sciences meeting, February 23 – March 2, 2019. San Juan, Puerto Rico.

Chakraborty, S. and K. Daly. Phytoplankton community composition in the Gulf of Mexico. GOMRI/CWC III, Plankton Synthesis Workshop. Hilton Atlanta; June 27 - 30, 2019

Sutton, T. & Open Ocean Synthesis Partners (including K. Daly). Core area 3: Open ocean ecotype overview. GOMRI Synthesis Workshop. July, St. Petersburg, FL.

Delaney, J.R., D. Manalang, D.S. Kelley, K.L. Daly, D.S. Luther, W.S.D. Wilcock, and E.T. Baker. Submarine volcano-hydrothermal systems and their impacts on the overlying ocean: Quantification of erupting mid-ocean ridge volcanoes - a generational goal. AGU Fall Meeting.

Delaney, J.R., D. Manalang, K.L. Daly, W.S.D. Wilcock, OOI Cable Observatory O&M team. A novel approach to the study of actively erupting submarine volcanoes on Earth and beyond. Ocean Obs Meeting, Hawaii, Sept.

2018 Daly, K.L. OOI Overview & Deep Assets in the NE Pacific. OOI Deep Ocean Observing Workshop, Aug. 27-29, Seattle.

Daly, K.L. OOI Elements and Science Themes, OOI Early Career Data Workshop, June 18-22, Rutgers Univ.

Burd, A. K. Daly, A. Dissanayake, S. Francis, and U. Passow. The fractal dimension of marine oil snow aggregates: Changing aggregate characteristics. Ocean Sciences, February12-16, Portland, OR.

Daly, K.L., G.A. Jackson, K. Kramer, A. Remsen, P. Dave, and C. Scott. Abundance and characteristics of marine snow in the NE Gulf of Mexico: Impacts on sedimentation of the Deepwater Horizon oil spill. Ocean Sciences, February12-16, Portland, OR.

Dissanayake, A.L., A. Burd, K.L. Daly, S. Francis, and U. Passow. Numerical model to simulate the interactions of marine snow and oil spilled in the ocean. Ocean Sciences, February12-16, Portland, OR.

Dissanayake, A.L., A. Burd, K.L. Daly, S. Francis, and U. Passow Numerical modeling of the interactions of oil, marine snow and riverine sediments in the ocean. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 5-8, New Orleans, LA.

Burd, A. K. Daly, A. Dissanayake, S. Francis, and U. Passow The Fractal Dimension of Marine Oil Snow Aggregates: Changing Aggregate Characteristics. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 5-8, New Orleans, LA.

Daly, K.L., A. Remsen, K. Kramer, H. Broadbent, and D. Outram. Resilience in the Northeastern Gulf of Mexico Plankton Community. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 5-8, New Orleans, LA.

Dubikas, K., K.L. Daly, and G.A.Zapfe. Zooplankton Community Structure in the NE Gulf of Mexico: Impacts of Environmental Variability and the Deepwater Horizon Oil Spill. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 5-8, New Orleans, LA.

Passow, U., K. Daly, and A. Burd. Including Marine Snow and MOSSFA in Oil Spill Models. 41st AMOP Technical Seminar on Environmental Contamination and Response meeting, September.

2017 Dissanayake, A.L., A. Burd, K.L. Daly, S. Francis, and Uta Passow. Numerical modeling of the interactions of marine snow and oil spilled in the ocean. International Oil Spill Conference, May 15-18, Long Beach, CA.

Invited talk. Daly, K.L. A dynamic ice-covered ecosystem: McMurdo Sound, Antarctica. University of Georgia, Feb. 20.

Daly, K.L., A. Remsen, K. Kramer, U. Passow, S. Francis, G. Jackson, and A. Burd. The DWH oil associated marine snow sedimentation event and future oil spill response. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 6-9, New Orleans, LA.

Francis, S., A.B. Burd, K.L. Daly, G.A. Jackson, and U. Passow. An aggregation model to estimate oil removal rate by sinking marine snow: A decision support tool. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 6-9, New Orleans, LA.

Burd, A., K.L. Daly, S. Francis, and U. Passow. Mechanisms and models of aggregation and sinking of oil and marine particles. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 6-9, New Orleans, LA.

Romero, I.C., A.-R. Diercks, K.L. Daly, J. Chanton, S. Murawski, D.J. Hollander. Distribution of deposited petroleum hydrocarbons after the Deepwater Horizon oil spill. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 6-9, New Orleans, LA.

Daly, K.L., A. Diercks, and A. Greer. The DWH Marine Oil Snow Blizzard: Where did it come from? MOSSFA Workshop, Feb. 6, New Orleans.

Burd, A., K. Daly, A. Dissanayake, S. Francis, U. Passow. Modeling MOSSFA: Methods and Parameters. MOSSFA Workshop, Feb. 6, New Orleans.

Paris, C., N. Perlin, A.C. Vaz, and K. Daly. Lagrangian Modeling of Inertial and Buoyant Particles for Deep Sea Blowout. MOSSFA Workshop, Feb. 6, New Orleans.

2016 Daly, K.L., A. Remsen, K. Kramer, and G. Jackson. Seasonal and interannual patterns of marine snow in the region of the Deepwater Horizon oil spill: Impacts on oil sedimentation. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 1-4, 2016, Tampa, FL.

Burd, A., K. Daly, U. Passow. Oil-marine snow-mineral aggregate interactions and sedimentation during the BP oil spill. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 1-4, 2016, Tampa, FL.

Daly, K.L., H. Broadbent, B. Saenz, S. Kim, J. DiTullio, D. Ainley, G. Ballard, R. Pitman and J. Durban. Phenology of the McMurdo Sound spring bloom. Ocean Sciences, Feb. 21-26, 2016, New Orleans, LA.

Ainley, D., B. Saenz, K. Daly, S. Kim, G. Ballard, E. Conlisk. Predatory foraging in response to the McMurdo Sound preyscape. Ocean Sciences, Feb. 21-26, 2016, New Orleans, LA.

Saenz, B., K. Daly, S. Kim, D. Ainley, G. Ballard. Patterns of macrozooplankton and fish occurrence beneath McMurdo Sound fast ice during the spring/summer of 2014/2015. Ocean Sciences, Feb. 21-26, 2016, New Orleans, LA.

Delaney, J.R., K. Daly and D. Luther. A first detailed tracking of an erupting undersea volcano and its impacts on the overlying ocean via a submarine electro-optical sensor network. Ocean Sciences, Feb. 21-26, 2016, New Orleans, LA.

McRae, E., K. Daly + others. A cabled, high bandwidth instrument platform for continuous scanning of the upper ocean water column. Ocean Sciences, Feb. 21-26, 2016, New Orleans, LA

Manalang, D., …K. Daly + others. Modular seafloor and water column systems for the Ocean Observatories Initiative Cabled Array. Ocean Sciences, Feb. 21-26, 2016, New Orleans, LA

Marrai, M. and K.L. Daly. Interannual variability in distribution and age structure of larval euphausiids in relation to the environmental conditions (Marguerite Bay, Western Antarctic Peninsula). ICES/PICES 6th Zooplankton Symposium, May 9-13, Bergen, Norway.

Daly, K.L., A. Remsen, K. Kramer, G. Jackson, S. Kim, B. Saenz, D. Ainley, G. Ballard, and R. Pitman. Two case studies for acoustic and camera imaging systems: Deepwater Horizon oil spill response and McMurdo Sound, Antarctica ecosystem study. ICES/PICES 6th Zooplankton Symposium, May 9-13, Bergen, Norway.

Saenz, B. David Ainley, Grant Ballard, Erin Conlisk, Kendra Daly, Dennis Jongsomjit, Stacy Kim. Adelie penguin foraging in response to the McMurdo Sound preyscape. 9th International Penguin Conference, Sept., Cape Town.

Ainley, D., G. Ballard, B. Saenz, G. Ford, E. Conlisk, K. Daly, R. Jones, D. Jongsomjit, S. Kim, S. Pierce, W. Smith, A. Lescroël, V. Toniolo, and S. Veloz. What Adelie penguins can tell you about chlorophyll. International Penguin Conference to be held in Cape Town, Sept.

Ainley, D., G. Ballard, B. Saenz, G. Ford, E. Conlisk, K. Daly, R. Jones, W. Smith, S. Pierce, D. Jongsomjit, S. Kim, A. Lescroël, V. Toniolo, S.Veloz. What Adélie penguins can tell you about chlorophyll . Pacific Seabird Group Annual Meeting. Honolulu, HI.

Kim, S., B. Saenz, J. Scaniello, K. Daly, D. Ainley. Fast ice dynamics in McMurdo Sound. SCAR meeting, Indonesia, August 2016.

Romero, I.C., S. Murawski, K.L. Daly, J. Chanton, D.J. Hollander. The chemical signature of MOSSFA on the seafloor of the Northern Gulf of Mexico. Deep Sea Oil Conference, September, Hamberg, Germany.

Barker, L., S. Kim, K. Daly. Towable instrumentation for use with micro-scale ROVs. Oceans16 MTS IEEE, Sept. 20-22, Monterey, CA.

Daly, K.L. Marine ecosystems from oil spills to frozen seas, CMS faculty seminar, Aug. 26

2015 Seibel, B. A., J.A. Schneider, S. Kartvedt, K. Wishner, K.L. Daly. Critical depths in oxygen minimum zone euphausiids: implications for biogeochemical cycles and expanding oxygen minimum zones. PICES meeting, Oct. 14-25, Qingdao, China.

Invited talk. Daly, K.L. A dynamic ice-covered ecosystem: McMurdo Sound, Antarctica. Texas A&M University. April 13.

Daly, K.L. A. Remsen, K. Kramer, H. Broadbent, D. Outram. Resilience in the northern Gulf of Mexico offshore plankton community. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 16-19, 2015, Houston, TX.

Walsh, J.J., J.M. Lenes, B.P. Darrow, A. Parks, R.H. Weisberg, L. Zheng, C. Hu, B.B. Barnes, K. L. Daly, G.R. Brooks, W.H. Jeffrey, R.A. Snyder, D.J. Hollander. A simulation analyses of the plankton fate of the Deepwater Horizon Oil Spills. Gulf of Mexico Oil Spill and Ecosystem Science Conference, February 16-19, 2015, Houston, TX.

2014 Invited talk. Daly, K.L., McMurdo Sound ecosystem: Currents to whales. U.S. Antarctic Science Program, McMurdo Station. December 31, 2014.

Fram, J., J. Barth, R. Collier, E. Dever, M. Vardaro, J. Delaney, D. Kelley, D. Luther, K. Daly. The Ocean Observatories Initiative in the northeast Pacific: A new community resource. East Pacific Ocean Conference, September 17-20, 2014

Passow, U., J. Chanton, K. Daly, D. Hollander, N. Kinner. Marine Oil Snow Sedimentation and Flocculent Accumulation (MOSSFA). Gulf of Mexico Oil Spill and Ecosystem Science Conference poster. January 27-30, 2014, Mobile, AL.

Daly, K.L., K. Kramer, A. Remsen. Oil sedimentation pathway: marine snow distributions in the NE Gulf of Mexico, 2010-2013. Gulf of Mexico Oil Spill and Ecosystem Science Conference poster. January 27-30, 2014, Mobile, AL.

Lenes, J.M., B. P. Darrow, J. J. Walsh, K.L. Daly, R. A. Snyder. Crossing trophic levels with ecosystem models: Data needs during evolution of DWH event. Gulf of Mexico Oil Spill and Ecosystem Science Conference poster. January 27-30, 2014, Mobile, AL.

2013 Invited talk, Daly, K.L. Challenges and innovations in chemical and biological sensors. Ocean Observing Research Coordination Network meeting, December 8, 2013, San Francisco.

Invited talk. Daly, K.L., U. Passow, C. Hu, N. Prouty, F. Mienis, A. Remsen, K. Kramer, and S. Murasko. Marine oil snow sedimentation and flocculent accumulation: Processes and pathways. MOFFSA (Marine Snow Oil Sedimentation and Flocculent Accumulation) Workshop, October 22-23, Tallahassee, FL.

Daly, K.L., C. Hu, N. Prouty, F. Mienis, A. Remsen, and S. Murasko. Marine snow distributions following the Deepwater Horizon Oil Spill. MOFFSA (Marine Snow Oil Sedimentation and Flocculent Accumulation) Workshop, October 22-23, Tallahassee, FL.

Daly, K.L. Marine ecosystem dynamics: Tropics to poles. CMS Faculty Seminar, Aug. 30.

Walsh, J.J., J.M. Lenes, R.H. Weisberg, C. Hu, and K. Daly. Effects of chronic oil spills, compounded by overfishing and other environmental perturbations, on increased HABs and related worldwide asthma occurrences. Gulf of Mexico Oil Spill & Ecosystem Science Conference, Jan. 2013, New Orleans.

Daly, K.L., L. Schwierzke-Wade, K. Dreger, S.Murasko, D. Outram, and A. Remsen. Plankton dynamics following the BP oil spill. Gulf of Mexico Oil Spill & Ecosystem Science Conference, Jan.21-23, 2013, New Orleans.

2012 Invited talk. Daly, K.L. Overview of the OOI: Elements and technological capabilities. NASA-OOI Data QC Workshop, June 6-8, 2012, Walpole, Maine.

Invited talk. Daly, K.L. Southern Ocean: Impact of climate change on zooplankton advective fluxes. PICES (North Pacific Marine Science Organization) Symposium, May 14, Yeosu, Korea. (talk given by C. Ashjian)

Piñones, A., E.E. Hofmann, K.L. Daly, M.S. Dinniman, and J.M. Klinck. Effects of circulation and climate change on early life history stages of Antarctic krill. Second International Symposium on Effects of Climate Change on the World's Oceans, May 15-19, Yeosu, Korea.

Fefilatyev, S., M. Shreve, K. Kramer, L. Hall, D. Goldgof, R. Kasturi, A. Remsen, K. Daly. 2012. Label-noise reduction with support vector machines. International Conference on Pattern Recognition (submitted April 2012; refereed)

Wirt, K. P. Hallock-Muller, D. Palandro, and K. Daly. Potential Habitat of *Acropora* spp. on Florida Reefs. Florida Academy of Sciences (FAS), March.

Invited speaker. Daly, K.L. and H.M. Benway. Ocean Carbon and Biogeochemistry: Building a community from the bottom up. AAAS, Feb. 20112, Vancouver, BC.

Southall, B., C. Christopher, K. Daly, S. Moore, J. Payne, R. Payne, K. Stafford, M. Stoermer, P. Tyack, W. Wilcock, and J. Delaney Acoustic monitoring of marine life using a fiber-optic ocean bbserving system. Ocean Sciences, Feb. 2012, Salt Lake City.

Wishner, Outram, Seibel, Daly. Boundary effects of oxygen minimum zone expansion on zooplankton in the eastern tropical north Pacific. Ocean Sciences, Feb. 2012, Salt Lake City.

Cass, C. K.L. Daly, S.G Wakeham. Feeding ecology of *Eucalanus inermis* in the eastern tropical Pacific Ocean: Implications for carbon transport. Ocean Sciences, Feb. 2012, Salt Lake City.

Daly, K.L., A. Remsen, S. Murasko, D. Outram, and L. Wade. Plankton dynamics following the BP oil spill. Ocean Sciences, Feb. 2012, Salt Lake City.

Daly, K.L. and H.M. Benway The Ocean Carbon and Biogeochemistry Program: Building a community from the bottom up. Ocean Sciences, Feb. 2012, Salt Lake City. Ocean Sciences, Feb. 2012, Salt Lake City.

Delaney, J.R., D.S. Kelley, K.L. Daly, D. Luther, A.T. Fundis, G. Proskurowski, O. Kawka. Understanding the planet life support system: Net-generation science in the ocean basins. Ocean Sciences, Feb. 2012, Salt Lake City. Ocean Sciences, Feb. 2012, Salt Lake City.

Piñones, A., E.E Hofmann, K.L. Daly, M.S. Dinniman, and J.M. Klinck. Modeling early life history stages of Antarctic krill under present and future environmental conditions on the west Antarctic Peninsula. Ocean Sciences, Feb. 2012, Salt Lake City. Ocean Sciences, Feb. 2012, Salt Lake City.

2011 Invited plenary speaker, Daly, K.L. Modes of climate and food web variability in high latitude oceans. Fifth International Zooplankton Production Symposium, March 14-18, Puć̀on, Chile.

Cass, C.J. and K.L. Daly. Effects of temperature and oxygen on metabolic parameters for eucalanoid copepods of the eastern tropical north pacific: Implications for biogeochemical cycles. Fifth International Zooplankton Production Symposium, March 14-18, Puć̀on, Chile.

Wishner, K., K.L. Daly, and B.A. Seibel. Potential effects of climate variability on oxygen minimum zone zooplankton communities. Fifth International Zooplankton Production Symposium, March 14-18, Puć̀on, Chile.

Southall, B., C. Clark, K. Daly, S. Moore, J. Payne, R. Payne, K. Stafford, M. Stoermer, P. Tyack,
W. Wilcock, J. Delaney. Acoustic monitoring of marine life using a fiber-optic ocean observing system. 161st Meeting of the Acoustical Society of America, Seattle, May 23 2011.

Invited speaker, K. Daly and D. Luther. Water column studies with the RSN: Physical, biogeochemical, ecosystem, and marine mammal studies. Axial Seamount RSN Science Workshop, October 5-7, Seattle, WA.

Invited speaker, Daly. K.L. Directions in ocean biology for ocean observing. Global Earth Observing System of Systems (GEOSS) Workshop XLII –Toward Global Ocean Observations, September 18, Kona, Hawaii.

Fefilatyev, S., K. Kramer, L. Hall, D. Goldgof, R. Kasturi, A. Remsen, K. Daly. Detection of

anomalous particles from Deepwater Horizon Oil Spill using SIPPER3 underwater imaging platform. Eleventh IEEE International Conference on Data Mining, December 11-14, 2011,Vancouver, Canada. [refereed]

2010 Daly, K.L. & Project PIs. Do OMZs alter the biological pump? Ocean Sciences, 22-26 Feb., Portland, OR.

Cass, C., K.L. Daly, S.G. Wakeham, E.S. Van Vleet. Using Lipid Biomarkers to Assess Diet for Three Species of Copepods in the Eastern Tropical Pacific Oxygen Minimum Zone. Ocean Sciences, 22-26 Feb., Portland, OR.

Olson, M.B., K. L. Daly, A. Podlaska, G. Taylor. Microzooplankton dynamics across oxygen gradients in the eastern tropical north Pacific. Ocean Sciences, 22-26 Feb., Portland, OR.

Remsen, A., K.L. Daly, K. Kramer. Vertical distributions of plankton and detrital particles in the eastern tropical Pacific oxygen minimum zone: Observations from the SIPPER imaging system. Ocean Sciences, 22-26 Feb., Portland, OR.

Wishner, K., D. Outram, K. Daly, S. Frazar, A. Maas, B. Seibel, R. Williams. Effects of the oxygen minimum zone on zooplankton biomass, distributions, diel vertical migration, and community structure in the eastern tropical north Pacific. Ocean Sciences, 22-26 Feb., Portland, OR.

Schneider, J. L., Seibel, B. A, Rosa, R., Wishner, K., and Daly, K. Hypoxia-induced metabolic suppression in vertically-migrating zooplankton may reduce the efficiency of the biological carbon pump in oxygen minimum zones. Ocean Sciences, 22-26 Feb., Portland, OR.

Coble, P.G., K.L. Daly, W.-J. Cai, K. Fennel, S.E. Lohrenz, L.L. Robbins. A preliminary carbon budget for the Gulf of Mexico. Ocean Sciences, 22-26 Feb., Portland, OR.

Ballerini, T., D. Ainley, K. Daly, E. Hofmann, M. Marrari, C. Ribic, W. Smith, J. Steele An analysis of consequences of modifications to a Southern Ocean food web. Ocean Sciences, 22-26 Feb., Portland, OR.

Piñones, A.,, E. E. Hofmann, K. Daly. P. Wiebe, M. S. Dinniman, J.M. Klinck. Remote and local connectivity of Antarctic krill (*Euphausia superba*) populations along the western Antarctic Peninsula. Ocean Sciences, 22-26 Feb., Portland, OR.

Invited talk. Delaney, J.R., D.S. Kelley, K.L. Daly, D.S. Luther. A Rationale approach for next-generation ocean science. Ocean Sciences, 22-26 Feb., Portland, OR.

Invited talk. Daly, K.L. The specter of expanding OMZs: Habitat compression and the biological pump. Ocean Carbon and Biogeochemistry Summer Workshop, 19-22 July, San Diego, CA.

Kelley, D. and Daly, K.L. OOI science drivers and design II. Regional Scale Nodes: Bringing High Power and Bandwidth to the NE Pacific Ocean. Observatories Initiative (OOI) Science Community Workshop II, 29-30 April, Tempe, AZ.

Ballerini, T. D. Ainley, K. Daly, E. Hofmann, M. Marrari, C. Ribic, W. Smith, and J. Steele. An analysis of consequences of modifications to a Southern Ocean food web. CAMEO End-to-End Modeling Workshop, 18-22 April, Woods Hole. MA.

Invited talk. Daly, K.L. Opportunities for ocean biogeochemical research provided by the Ocean Observatories Initiative. Ocean Biogeochemistry Time-Series Scoping Workshop: Sea Change: Charting the Course for Ecological and Biogeochemical Ocean Time Series Research. 21-23 Sept. Honolulu, Hawaii.

Piñones, A. E.E. Hofmann, K.L. Daly, P.H. Wiebe, M.S. Dinniman, J.M. Klinck. Remote and local connectivity of Antarctic krill (*Euphausia superba*) populations along the western Antarctic Peninsula. SCAR Open Science Conference held in Buenos Aires – Argentina, August 3-6, 2010

Daly, K.L. The eastern tropical Pacific as a proxy for a future stratified ocean. IMBIZIO II, IMBER Meeting, 10-14 Oct., Crete, Greece.

2009 Daly, K.L. & Project PIs. Eastern tropical Pacific project: overview. ASLO Meeting, 25-30 January 2009, Nice, France.

Cass, C. and K.L. Daly. Using metabolic parameters to assess copepod tolerance to low-oxygen environments in the eastern tropical Pacific. ASLO Meeting, 25-30 January 2009, Nice, France. (received best student poster award)

Wishner, K., K. Daly, B. Seibel, A. Maas, D. Outram, R. Williams, C. Flagg, A. Podlaska, G. Taylor, S. Wakeham. Zooplankton distributions in the eastern tropical Pacific oxygen minimum zone: Recent cruise highlights. ASLO Meeting, 25-30 January 2009, Nice, France.

Invited talk: Daly, K.L. Ross Sea zooplankton. Ross Sea Marine Conservation Region, International Marine Conservation Congress, 21 May, Fairfax, VA.

Daly, K.L. and M. Marrari. U.S. Southern Ocean GLOBEC process studies: Distribution, overwintering strategies, and recruitment of Antarctic krill. International GLOBEC Open Science Meeting, 22-26 June, Victoria, B.C.

Marrari, M., K.L. Daly, A. Timonin, and T. Semenova. The Zooplankton of Marguerite Bay, western Antarctic Peninsula: Abundance, distribution, and controls on interannual variability. International GLOBEC Open Science Meeting, 22-26 June, Victoria, B.C.

Invited talk: Daly, K.L. Future of ocean carbon and biogeochemistry research in the Southern Ocean. OCB Summer Workshop, July 20-23, Woods Hole, MA.

Ballerini, T., E. Hofmann, M. Marrari, and K.L. Daly. Southern Ocean end-to-end food web model. Ocean Carbon & Biogeochemistry Summer Workshop, 20-23 July.

Invited plenary talk: Daly. K.L. The biological pump in the eastern tropical Pacific oxygen minimum zone. Chapman Conference on the Biological Pump, Sept 1-4, Southampton, UK.

Invited plenary talk: Daly, K.L. Observational approaches to community structure: Microbes to zooplankton. SCOR Ocean Biology Observatories Workshop, Sept. 16-18, Mestre, Italy.

Invited talk: Daly, K.L. Water column science opportunities: OOI Cabled Observatories. OOI Science Workshop, 11-12 Nov., Baltimore, MD.

2008 Invited plenary talk: Daly, K. GLOBEC: Temporal trends in ecosystem variability. Ocean Carbon and Biogeochemistry Workshop, 21-24 July 2008, Woods Hole, MA.

Daly, K.L., M. Marrari, C. Hu. SeaWiFS chlorophyll distributions, sea ice dynamics, and krill recruitment west of the Antarctic Peninsula. Biennial SCAR (Scientific Committee on Antarctic Research) Meeting, 8-11 July, St. Petersburg, Russia.

Spear, A., D. Huffman, L.H. Garcia-Rubio, and K. Daly. The use of multiwavelength spectroscopy for the spectral characterization of *Karenia brevis* and the influence of chloroplasts on its spectral fingerprint. Ocean Sciences Meeting, 3-7 March, Orlando, FL.

Invited talk: Daly, K., K. Wishner, B.Seibel, S. Wakeham, and R. Sambrotto. Eastern tropical pacific processes. 16-18 January, CICESE, Ensenada, Mexico.

2007 Invited lecture. Daly, K. NSF's Ocean Observatories Initiative. Underwater Sensors Networks. Workshop. Georgia Institute of Technology, 18-19 June, Atlanta, Georgia.

Marrari, M. K.L. Daly, and C. Hu. Influence of chlorophyll and sea ice dynamics on reproduction and recruitment of the Antarctic krill *Euphausia superba* in waters west of the Antarctic Peninsula. Fourth International Zooplankton Production Symposium. 28 May-1 June, Hiroshima, Japan.

Invited lecture. Daly, K. Networked ocean observatories for scientific discovery and technology development. Undersea Distributed Networked Systems Conference. Naval Undersea Warfare Center & National Defense Industrial Association. 13-15 February, Newport, RI.

2006 Daly, K.L., M. Zhou, Y. Zhu, A. Timonin, and T. Semenova. Physical and biological processes influencing krill recruitment. Ocean Sciences Meeting, 2-24 February. Honolulu, Hawaii.

Marrari, M., K. Daly, and C. Hu. Temporal and spatial variability of SeaWiFS derived chlorophyll distribution west of the Antarctic Peninsula. Ocean Sciences Meeting, 2-24 February. Honolulu, Hawaii.

Invited lecture. Daly, K.L. and A.R. Isern. The information super seaway: Networking the seafloor for interactive scientific discovery. AGU Joint Assembly Meeting, May, Baltimore, Maryland.

2005 Invited lecture. Daly, K.L. and B. Mahmoudi. Plankton, fronts, and hot Spots: The road to fish Models. USGS Gulf of Mexico Integrated Science –Tampa Bay Study, 4th Annual Science Conference, 8 February, St. Petersburg, FL.

Daly, K.L. Coastal Antarctic zooplankton: Effects of latitude, polynyas, the ACC, and sea ice. Gordon Research Conference on *Polar Marine Science*, March 2005, Ventura, CA. Organizers:C. Lancelot and K. Arrigo.

Invited lecture. Daly, K.L. Sensors for aquatic observatories. Sensors for Environmental Measurements: Chemistry, Biology, and Transport Workshop, 12 May 2005, University of Minnesota, Minneapolis, MN.

2004 Daly, K.L., J. Torres, S. Gallager, J. Donnelly, J. Zimmerman, and J. Bellucci. Carbon Budgets of Overwintering Larval Krill. AGU, January, Portland, Oregon.

Scolardi, K., K.L. Daly, and J. Torres. Feeding ecology and metabolism of the Antarctic cydippid ctenophore *Callianira antarctica.* AGU, January, Portland, Oregon.

Gallager S., K. Daly, G. Thompson, P. Alatalo, A. Girard, and G. Rosenwacks. Abundance, distribution, swimming behavior, and feeding of under ice larval krill along the western Antarctic Peninsula. Scientific Committee on Antarctic Research, SCAR XXVII, July 2004, Bremen, Germany.

Invited lecture. Daly, K. Marine Zooplankton controls on high latitude biogeochemical stoichiometry. 27 May, Louisiana Universities Marine Consortium (LUMCON).

Invited lecture. Daly, K., D. Chu, and M. Jech. Bioacoustics and sensing systems. Office of Naval Research Progress Review Southwest Region, 12 May, University of South Florida.

Invited plenary lecture. Daly, K. Chemical and biological sensors. Instrument Software Infrastructure Workshop, 13 - 15 September, Monterey Bay Research Institute (MBARI).

2003 Gallager, S.M., K. Daly, G. Thompson, and P. Alatalo. Microplankton as a food resource for larval krill along the Western Antarctic Peninsula. Zooplankton Production Symposium, 20-23 May, Gijon, Spain.

Daly, K.L. and D.W.R. Wallace. Carbon dioxide production and respiratory quotients for an arctic marine copepod, *Calanus hyperboreus*. Zooplankton Production Symposium, 20-23 May, Gijon, Spain.

Invited lecture. Daly, K. Marine zooplankton metabolism: Implications for high latitude biogeochemical stoichiometry. November 13, Department of Biology, University of South Florida.

2002 Daly. K.L. Overwintering strategies of Antarctic Krill, Ocean Sciences Meeting, February, Honoloulu, Hawaii.

Gallager, S., K. Daly, K. Fisher, G.L. Lawson, C.S. Davis, C.J. Ashjian, and P.H. Wiebe. Seasonal changes in the association of larval krill with its potential microplankton food resources along the Western Antarctic Peninsula, Ocean Sciences Meeting, February, Honolulu, Hawaii.

Scolardi, K., K.L. Daly, and S.M. Gallager. Ctenophore predation on larval *Euphausia superba* during winter along the Western Antarctic Peninsula, Ocean Sciences Meeting, February, Honolulu, Hawaii.

Donnelly, J., J.J. Torres, K.L. Daly. SO GLOBEC meets APIS: The character of the midwater fish faunas of the eastern Ross Sea and the western Antarctic Peninsula Shelf. Ocean Sciences Meeting, February, Honoloulu, Hawaii.

Daly, K.L. Southern Ocean larval krill growth and recruitment: An interannual comparison under varying environmental conditions. International GLOBEC Open Science Meeting, Qingdao, China, 15-18 October 2002.

Invited lecture. Daly, K. The role of zooplankton in biogeochemical cycles and ecosystem dynamics. October 10, US GLOBEC Science Steering Committee.

2001 Daly, K.L., .S. Samson, T. Hopkins, A. Remsen, T. Sutton, and L. Langebrake. Sensor technology for zooplankton assessment. International Workshop on Autonomous Measurements of Biogeochemical Parameters in the Ocean, 20-22 February, 2001, Honolulu, HI. Co-conveners: K. Harada and T. Dickey.

Schneider, J., L.B. Quetin, R.M. Ross, K.L. Daly. Use of aggregation characteristics to identify dominant Antarctic euphausiids. ASLO Aquatic Sciences Meeting, January, Albuquerque, New Mexico.

2000 Invited lecture. Daly, K. Large- and mesoscale changes in processes influencing carbon flux in the Southern Ocean. April 18, College of Marine Studies, University of Delaware.

1999 Daly, K.L., E.E. Hofmann, W.R. Fraser, C.A. Ribic, D.G. Ainley, T.L. Hopkins, and J.J. Torres. Direct and indirect effects of predator-prey interactions: Coupling field observation and a spatially-dependent model. Invited talk; ASLO Aquatic Sciences Meeting, 1-5 Feb., Santa Fe, New Mexico.

Invited lecture. Daly, K. Water-column biological carbon processes in the Southern Ocean, Polar Marine Science, Gordon Conference, March 7-12, Ventura, CA.

Invited lecture. Daly, K. Physical and biological controls of carbon flux in the Antarctic Circumpolar Current. September, Center for Coastal Physical Oceanography, Old Dominion University, Norfolk, VA.

1998 Daly, K.L., W.O. Smith, Jr., G.R. DiTullio, D.R. Jones, C.W. Mordy, G.C. Johnson, and R.A. Feely. Distribution of biogenic material, nutrients, and pCO_2 in the Pacific sector of the Southern Ocean: Subantarctic and Polar Frontal Zones. AGU/ASLO meeting, Feb. 1997, San Diego. Abstr. EOS 79: 181.

Jones, D.R., G. R. DiTullio, K.L. Daly, W.O. Smith, Jr., and M.E. Geesey. Latitudinal variability of picoplankton populations in the South Pacific Ocean. AGU/ASLO meeting, Feb. 1997, San Diego. Abstr. EOS 79: 10.

Daly, K.L., C.A. Ribic, W.R. Fraser, E.E. Hofmann, D.G. Ainley, T.L. Hopkins, and J.J. Torres. Predation mortality of Antarctic krill in the Scotia-Weddell marginal ice zone. SCAR VII International Biology Symposium, 31 Aug. - 4 Sept., Christchurch, New Zealand, Abstr. New Zealand Natural Sciences 23 Supplement: 44.

Invited lecture. Daly, K. Going to extremes: Life under ice-covered seas, August, Dauphin Island Marine Laboratory, Alabama.

Invited lecture. Daly, K. Predation mortality of Antarctic krill, *Euphausia superba*, in the Scotia-Weddell marginal ice zone ecosystem", October, Chesapeake Bay Laboratory, Maryland.

1997 Daly, K.L. Grazer mediation of biogeochemical fluxes in polar regions: Arctic studies (poster), Biological Processes Associated with Sea Ice Gordon Conference, March, Ventura, CA

Invited lecture. Daly, K. Anomalous carbon and nitrogen cycling in an Arctic shelf ecosystem, March, University of South Florida, Department of Marine Sciences.

Invited lecture, Anomalous carbon and nitrogen cycling in an arctic shelf ecosystem, March, Florida State University, Department of Oceanography.

1996 Daly, K.L., W.O. Smith, Jr., D. Wallace, A. Skoog, R. Lara and P. Yager. Non- Redfield carbon and nitrogen cycling in an Arctic shelf system. AGU/ASLO meeting, Feb. 1996, San Diego. Abstr. EOS

Invited lecture. Daly, K. Polar marine systems and global climate: A marine biology perspective, November, University of Tennessee, Department of Ecology.

1995 Daly, K.L. Flux of particulate matter through copepods in the Northeast Water Polynya.

Northeast Water Polynya Symposium, May 1-5, Helsinger, Denmark.

Daly, K.L. and G. R. DiTullio. Particulate dimethylsulfoniopropionate removal and dimethylsulfide production by zooplankton in the Southern Ocean. First International Symposium on DMSP and Related Sulfonium Compounds, Jun.5-7, Mobile, AL.

1994 Daly, K.L. and G.R. DiTullio. Origins of DMS in the Antarctic: Krill grazing. AGU/ASLO meeting, Feb. 21-25, San Diego. Abstr. EOS 73: 139.

1992 Daly, K.L., G. Bradshaw, and D. Grunbaum. Physical and biological processes that influence the spatial patchiness of Antarctic krill. ASLO, Feb. 9-14, Santa Fe.

1990 Macaulay, M.C., K. Daly and B. Frost. Patterns of zooplankton and micronekton distribution in relation to a whale feeding site during SCOPEX 1987-1988. AGU/ASLO meeting, Feb. 12-16, New Orleans. Abstr. EOS 71: 68.

Daly, K.L. and M.C. Macaulay. Abundance, distribution and behavior of *Euphausia superba* in the Antarctic marginal ice zone. Symposium on Polar Marine Ecology, 12-16 May,Trondheim, Norway.

1989 Daly, K. Overwintering development, growth and feeding of larval *Euphausia superba* in the Antarctic marginal ice zone. The Oceanography Society Inaugural Meeting, 27-30 August, Monterey, CA.

Invited lecture. Daly, K. Seasonal distribution and behavior of krill (*Euphausia superba*) in the Antarctic marginal ice zone, October, University of Washington, School of Oceanography.

1988 Daly, K.L., M.C. Macaulay and B. Frost. Distribution and abundance of *Euphausia superba* in relation to the Antarctic ice edge. AGU/ASLO, 18-22 January, New Orleans. Abstr. EOS: 68: 1709.

Ainley, D.G., W.R. Fraser and K.L. Daly. Effect of pack ice on the composition of micronektonic communities in the Weddell Sea. AGU/ASLO, Jan. 18-22, New Orleans. Abstr. EOS 68: 1709.

1986 Daly, K.L., M.C. Macaulay and B.W. Frost. Distribution and abundance of krill (*Euphausia superba*) in relation to an Antarctic ice edge. AGU/ASLO, 8-12 December, San Francisco. Abstr. EOS 67: 971.

EXTRAMURAL FUNDING

Active Grants and Contracts

GOMRI/BP: Center for Integrated Modeling and Analysis of the Gulf Ecosystem III (C-IMAGE III). PI: S. Murawski + numerous co-PIs. Total budget $5,998,625; Daly budget $45,000, 1/1/18-12/31/19.

National Academy of Sciences Fellowship to Dr. David Murphy, K. Daly mentor, $1,000, 9/17-8/19.

GoMRI/BP: Oil-Marine Snow-Mineral Aggregate Interactions and Sedimentation during the 2010 Deepwater Horizon Oil Spill; PI: A. Burd (UGA), K. Daly (USF), U. Passow (UCSB), Total budget $893,187, Daly budget $142,074, 1/1/16-12/31/19.

Projects completed

GOMRI/BP: Center for Integrated Modeling and Analysis of the Gulf Ecosystem II (C-IMAGE II). PI: S. Murawski + numerous co-PIs. Total budget $20.2M; Daly budget $400,000, 1/1/15-12/31/17.

NSF: Collaborative: Benthic-pelagic coupling in an intact ecosystem: The role of top predators in McMurdo Sound. PI. K. Daly, $322,411, 6/1/2011-11/1/2016.

NSF: Collaborative: Supplement: Benthic-pelagic coupling in an intact ecosystem: The role of top predators in McMurdo Sound. PI. K. Daly, $52,048, 6/1/2014-11/30/2016.

USGS: USGS Support for Megan Ferguson, PIs: J. Dixon, K. Daly, and D. Naar, $3,400, 3/26/2015-3/25/17.

GOMRI/BP: Center for Integrated Modeling and Analysis of the Gulf Ecosystem (C-IMAGE). PI: S. Murawski + 23 co-PIs. Total budget $11,002,000; Daly budget $712,664, 1/1/2012-12/31/2015.

UW (subcontract): Ocean Observatories Initiative Regional Scale Nodes Project Scientist. PI: K. Daly, NSF, $41,979, 5/1/14-8/31/14.

UW (subcontract): Ocean Observatories Initiative Regional Scale Nodes Project Scientist. PI: K. Daly, NSF, $39,582, 5/1/13-8/31/13.

UW (subcontract): Ocean Observatories Initiative Regional Scale Nodes Project Scientist. PI: K. Daly, NSF, $38,204, 5/1/12-8/31/12.

BP/FIO: Baseline for Impact Assessment of Zooplankton and Imaging Oil Droplet Detection on the West Florida Shelf. PIs: K. Daly, D. Goldgof, L. Hall, R. Kasturi (USF) and J. Cohen (Eckerd), $291,241, 8/13/10-8/12/12.

NSF: EAGER: Discovery of viruses infecting marine Copepoda. PIs M. Breitbart, K. Daly, I. Hewson. $298,528, 9/1/10-8/30/2012.

NSF: GLOBEC Pan-Regional Synthesis: End-to-end energy budgets in US GLOBEC regions. PI: K. Daly, $157,969 (total proposal $1.75M 22 PIs) 9/1/08-8/31/11.

ONR: Mobile, Autonomous and Remote Controlled Observation Node (MARCON) For Ecosystems Adaptive Sampling and Persistent Observations. PIs D. Fries & K. Daly $33,978, 6/1/10-5/31/11.

ONR: Development and Evaluation of High Resolution Ocean Imaging Systems. PIs: K. Daly and G. Gonzalez, $145,208, 5/1/10-4/30/12.

UW (subcontract): Ocean Observatories Initiative Regional Scale Nodes Project Scientist. PI: K. Daly, NSF, $38,567, 5/1/11-8/31/11.

USF Research Foundation grant: Impact Assessment of the BP Oil Spill on Florida's Marine Ecosystem PI: K. Daly, $500,000, 6/10 – 7/11. Funded two rapid response cruises during July and August 2010 to the west Florida shelf and the northern Gulf of Mexico. CMS internal website set up for all data related to the GOM oil spill.

UW (subcontract): Ocean Observatories Initiative Regional Scale Nodes Project Scientist, NSF, $38,567, 3/1/10-8/31/10.

NSF: Zooplankton in the redoxcline of the Cariaco Basin: Impact on biogeochemical cycling. PI: K. Daly, $339,204, OCE0526545, 8/1/06-7/31/09. (chief scientist of 17 PI project, totaling >$2.75M)

USF: SIPPER modifications for use on ocean observatories – A proof-of-concept. PI: K. Daly, $111,000, 6/1/07-5/31/08.

NSF: Symposium on multi-disciplinary sensors and systems for autonomous observations of the global ocean (OceanSensors08). PI: K. Daly, $12,000, OCE0814337, 2/1/08-1/31/09.

NSF: Project office to coordinate ocean observing activities. PI; K. Daly, $4,150,000, OCE-0629308, 3/1/06-2/28/07.

USGS: Plankton, fronts, and hotspots: The road to fish models. PI: K. Daly, $35,000, 5/1/05-4/30/06.

USGS: Retrospective Zooplankton Analysis for the Tampa Bay Integrated Science Study. PI: K. Daly, $6,060, 05-2090-6004, 1/25/05.

NSF: Southern Ocean GLOBEC, PI: K. Daly, $300,000, OPP-9910610/OPP-0196489, 10/1/2000-8/31/2004.

NSF: Antarctic Pack Ice Seals (APIS): Ecological Interactions with Prey and the Environment, $77,417 (my portion), 3/1/1999 – 2/28/2003.

NSF: IPA Assignment, $236,683, 3/21/97 – 1/31/01.

NOAA: Antarctic marine living resources prey studies: AMLR Program, $80,174, 12/1/91-9/30/92, (w/ M. Macaulay and B. Frost).

NOAA: Antarctic marine living resources prey studies: AMLR Program, $80,174, 12/1/90-9/30/91, (w/ M. Macaulay and B. Frost).

NOAA: Antarctic marine living resources prey studies, $80,174, 12/1/89-9/30/90, (w/ M. Macaulay and B. Frost).
NSF: Acoustic investigations of copepods and micronekton in the Great South Channel: SCOPEX Program, $126,391, 11/87-1/90, (w/ M. Macaulay and B. Frost).
NSF: Acoustic characterization and quantitative estimation of the distribution of micronekton and nekton at the Antarctic ice edge, $398,682, 8/85-1/90, (w/ M.Macaulay and B. Frost).
NSF: Biology, physics and chemistry of large patches of krill (*Euphausia superba*), $98,840, 6/83 – 12/85, (w/ M. Macaulay and O. Mathisen).
NOAA. National Marine Fisheries Service, Auke Bay, Hydroacoustic analyses of zooplankton/fish communities, $50,000, 1982 - 1983.
NSF. Undergraduate Research Grant, University of Washington, $4,000, 1971-1972.

RESEARCH FIELD EXPERIENCE

More than 9 years accumulated sea time.

Ships: RV *Hoh*, NOAA *Oceanographer*, NOAA *Surveyor*, NOAA *Discoverer*, NOAA *Miller Freeman*, USCG *Westwind*, USCG *Glacier*, USCG *Polar Star*, USCG *Polar Sea*, RV *Polar Duke*, RV *Polarstern*, Tracor Marine *Pierce*, RV *Melville*, RV *Acona*, RV *Endeavor*, RVIB *NB Palmer*, RV *LM Gould*, RV *Seward Johnson*, RV *Knorr*, R/V *Thomas G. Thompson*.

Geographic regions: Puget Sound; Columbia River; NE Pacific; Central-equatorial Pacific; Alaska: Gulf of Alaska, Southeast Alaska, Prince William Sound, Cook Inlet, Bering Sea, Chukchi Sea, Beaufort Sea; Greenland Sea; Gulf of Mexico; Gulf of Maine; Antarctica: Drake Passage, Scotia Sea, Weddell Sea, Antarctic Peninsula, Ross Sea, McMurdo Sound; western and eastern tropical north Pacific Ocean.

Field Participation in Major Research Programs

DOMES: Deep Ocean Mining Environmental Studies, 1975-1976
OCSEAP: Outer Continental Shelf Environmental Assessment Program (Chief Scientist), 1975-80
IXTOC-1 NOAA Emergency Response Team: Ecological assessment of the effects of oil from the IXTOC-1 oil rig blow out, 1979
CREDDP: Columbia River Estuary Data Development Program (Chief Scientist), 1980-1981
BIOMASS: international Biological Investigations of Marine Antarctic Systems and Stocks
FIBEX - First International Biomass Experiment, 1980-1981
SIBEX - Second International Biomass Experiment, 1983-1984
AMERIEZ: Antarctic Marine Ecosystem Research at the Ice Edge Zone, 1981-1986
SCOPEX: South Channel Ocean Productivity Experiment, 1988-1989
AMLR: Antarctic Marine Living Resources, 1978-1990
NEW Polynya: Northeast Water Polynya (International), 1992-1993
WOCE/JGOFS (NOAA) (International), 1996
APIS: Antarctic Pack Ice Seals (International), 1999-2000
GLOBEC: Southern Ocean Global Ecosystem Dynamics (International), 2001-2002
Eastern Tropical Pacific Project (Chief Scientist: 17 PIs), 2007-2009
Gulf of Mexico Research Initiative: Deepwater Horizon oil spill (Chief Scientist), 2010-2014
McMurdo Sound Antarctic Ecosystem Study: 2012-2014
Ocean Observatories Initiative (OOI): (co-Chief Scientist), 2014

ACADEMIC ACTIVITIES

Graduate courses developed and taught at USF

Physical-Biological Interactions in Marine Systems
Marine Ecosystem Dynamics (required for the Marine Resource Assessment program)
Zooplankton Ecology
Stable Isotopes and Lipid Biomarkers in Marine System Studies
Ecological Stoichiometry
Foundations in Biological and Fisheries Oceanography
Ecology of Permanently Low Oxygen Regions in the Ocean
Global Warming, Natural Sciences Undergraduate Honors Course, one lecture
Lectures for Biological Oceanography (lectures & lab), Introduction to Statistics for Marine Science, Oceanography (undergraduate), Marine Biology (undergraduate).

Graduate and Undergraduate Advising

Students: Committee Chair: (*Current students)

Kerri Scolardi (M.S. 2004). Distribution, Metabolism and Trophic Ecology of the Antarctic Cydippid Ctenophore, *Callianira antarctica*, West of the Antarctic Peninsula
2002 American Academy of Underwater Sciences Master's student scholarship.
Works at Mote Marine Laboratory on the Manatee Research Program.

Katie Rathmell (M.S. 2007). The Influence of the Loop Current on the Diversity, Abundance and Distribution of Zooplankton in the Gulf of Mexico. Currently a Research Associate at the Center for Coastal Margin Observation and Prediction, Oregon Health & Science University as a member of the Astoria field team where she designs, builds, and maintains an ocean observatory comprised of 18 stations in the Columbia River and two ocean buoys. She is also the pilot of a Slocum 200 meter glider named Phoebe that operates off the Oregon and Washington coasts.

Adam Spear (M.S. 2009). The Characterization and Interpretation of the Spectral Properties of *Karenia brevis* through Multiwavelength Spectroscopy (co-chair with Dr. Luis Garcia-Rubio). Works for Dr. Jeff Napp at the NOAA/NMFS Alaska Fisheries Science Center in Seattle.

Kelly Kowal (M.S. 2010). The Life History of the Snowy Grouper, *Epinephelus niveatus*, in the Gulf of Mexico. Works as a fisheries survey coordinator at Florida Fish & Wildlife Research Institute.

Marina Marrari (Ph.D. 2008). Characterization of the Western Antarctic Peninsula Ecosystem: Environmental Controls on the Zooplankton Community.
2002-2004: Fulbright Fellowship
2002: Latin America and Caribbean Studies grant
2003: Best Student Oral Presentation, Third Zooplankton Production Symposium, Gijón, Spain.
2004: Seaspace Foundation Fellowship
2004: Riggs Fellowship CMS/USF
2005: Parrott Head Award CMS/USF
2009: NASA Program Postdoctoral Fellowship
Currently, Assistant Researcher, CONICET - Servicio de Hidrografia Naval, Av. Montes de Oca 2024, Buenos Aires, Argentina.

Christine Cass (Ph.D. 2010). A Comparative Study of Eucalanoid Copepods Residing in Different Oxygen Environments in the Eastern Tropical Pacific: An Emphasis on Physiology and Biochemistry.
2009: Outstanding Student Poster award, ASLO meeting, Nice, France, for poster entitled "Using Metabolic Parameters to Assess Copepod Tolerance to Low-Oxygen Environments in the Eastern Tropical Pacific".
2009: USF Graduate Student Achievement Award
2008: USF Graduate Student Achievement Award
2005: USF Presidential Fellowship
2005: Von Rosenstiel Fellowship CMS/USF

Now an Assistant Professor at Humboldt State University.

Leslie Schwierzke-Wade (M.S. 2011). Assessment of Fertility Potential in Bottlenose Dolphins (*Tursiops truncatus*): Application of ELISA-Based Biomarker Analysis. (Co-advisor with E. Van Vleet)
2010: John and Katharine Ann Lake Memorial Fellowship.

Claire Crowley (M.S. 2012). Aging Blue Crabs through the Biochemical Extraction of the Lipofuscin Aging Compound.
Currently Crustacean Research Biologist, Florida Fish & Wildlife Research Institute.

Sky Williams (M.S. 2013). Use of Stable Isotopes and Trace Metal Signatures to Track the Emigration of Female Blue Crabs, *Callinectes sapidus*, from Tampa Bay (Co-advisor with Ernst Peebles)
2010: Graduate Student Success Diversity Fellowship
Currently Data Analyst & North Pacific Groundfish Observer at Saltwater Inc.,

Matt Garrett (M.S. 2015) Influence of Water Column Stratification and Nutrient Gradients on the Migratory Behavior of the Red Tide Dinoflagellate, *Karenia brevis.*
Currently a Marine Research Associate, Florida Fish & Wildlife Research Institute HAB group.

Claire Crowley (Ph.D. 2017). Florida Fishery-Wide Reproductive Indices of Stone Crab, *Menippe mercenaria*, and Their Application to Stock Assessment and Management
2015: William Hogarth Fellowship
Currently an Associate Research Scientist**,** Florida Fish and Wildlife Research Institute

Palak Dave (M.S. 2018) start Fall 2016; co-advisor with Dr. Dmitry Goldgof (USF Computer Science & Engineering); A Quantitative Analysis of Shape Characteristics of Marine Snow Particles with Interactive Visualization: Validation of Assumptions in Coagulation Models.
Currently a Ph.D. student at USF Computer Science and Engineering

Kate Dubickas (M.S. 2019) start Fall 2014; Zooplankton Community Structure in the NE Gulf of Mexico: Impacts of Environmental Variability and the Deepwater Horizon Oil Spill.
2105: National Science Foundation Fellowship

Mary Abercrombie (Ph.D. 2019) Co-advisor with Dr. Paula Coble since 2015, when Dr. Coble retired. Use of Spectrofluorometry to Detect Petroleum Hydrocarbons in the Marine Environment.
Currently an Instructor at the Florida Gulf Coast University

*Megan Ferguson (M.S.) start Fall 2015, Zooplankton Biodiversity Indices in the NE Gulf of Mexico and West Florida Shelf.
2015: USF University Graduate Fellowship
2016: Patricia L. Dudley Scholarship, Gordon Gilbert Scholarship & Friends of Gumbo Limbo

*Shaniqua Gladney (M.S.) start Fall 2016
2016: Bridge to the Doctorate, Sloan Foundation Fellowships

Committee member: Tracey Sutton (Ph.D. 2001), Shannon Williamson-Smith (Ph.D. 2003), Michael Callahan (M.S. 2004), Dana Gaydos (M.S. 2006), Amy Long (M.S. 2005), Yulia Serebrennikova (Ph.D. 2005); Hussain Al-Hitari (Ph.D. 2009); Michael Drexler (M.S. 2010), Amy Wallace (M.S. 2011), Christy Stephenson (M.S. 2011), Katie Wirt (M.S. 2011), Heidi Toomey (M.S. 2013), Maria Andrea Pinones (Ph.D. 2011, Old Dominion Univ, outside committee member), Darren Dunlap (M.S. 2012), Melanie Parker (Ph.D. 2012), Kris Netchy (M.S. 2014), Lucy Sprung Bartlett (M.S. 2014), Katie Wirt (Ph.D. 2016), Natasha Mendez (Ph.D. 2016), Adrienne George (Ph.D. 2017), Sara Garcia (M.S., 2018 Integrative Biology/USF), Benjamin Ross (Ph.D. 2018), Lindsey Dornberger (Ph.D. 2018), Kyle Amergian (M.S. 2019), Selena Johnson (Ph.D. 2019), Amanda Dwyer (Ph.D. 2019; Northeastern Univ.), *Edmund Hughes (Ph.D.), *Kelly Vashbinder (Ph.D.), *Sarah Dietrick (Ph.D. Chemistry, USF), *Elizabeth Potter (M.S. Integrative Biology, USF).

Chair Undergraduate Honors Thesis: Tiffany Ross, Thesis title: A Retrospective Analysis of Cold-Stress Related Deaths in the Florida Manatee (*Trichechus manatus*); July 2015.

Interns: Emily Yam (Antarctic cruises 2001, undergraduate student), Mari Butler (Antarctic cruise 2001), Kelley Vashbinder (summer 2010; high school student), Lauryan Dowse (summer 2011, M.S. student; Montpellier Polytechnical Institute, France), Cayden Brehaut (undergraduate intern, summer 2014), Alexandra Hernandez (undergraduate intern, 2015-2016).

Minority Mentoring Program, University of Tennessee, 1995.

Postdoctoral Fellows: Brady Olson (2006-2009) [now Instructor at Shannon Point Marine Center, Western Washington State University], Marina Marrari (2008-2009) [Assistant Researcher in Oceanography with Dr. Alberto Piola, Buenos Aires, Argentina, works with researchers from the Fisheries Agency doing satellite remote sensing research], Andrew Remsen (2010-2011), Maya Robert (2010-2012), [now at FWRI], Heather Broadbent (2012- 2015) [CMS], Benjamin Saenz (2012-2015) [owns company, Bioacoustics Consulting].

PROFESSIONAL SERVICE

College of Marine Science, USF Committees

2018	Geological Oceanographer Search Committee
2016 - 2017	Tenure and Promotion Requirements ad hoc Committee
2016	Chemical Oceanography Search Committee
2014	Chair, Annual Faculty Review Committee
2013 - 2019	Chair, Eminent Scholar Lecture Series Committee
2013 - 2014	Biological Oceanographer Search Committee
2012 – present	Marine Resource Assessment Advisory Committee
2011 - 2012	Phytoplankton Search Committee
2011	COT Faculty Advisory Committee
2010	Phytoplankton Search Committee
2009	Sackett Prize Committee
2008	Weatherbird Science Mission Needs Committee
2007 - 2019	Chair, Space Committee
2007 - present	Tenure and Promotion Committee
2007 - 2010	Eminent Scholar Series Committee
2009 - 2010	Ocean Engineering Degree program
2008 - 2010	COT Faculty Advisory Committee
2008 - 2009	Graduate Student Symposium
2008	Physical Oceanography Search Committee
2004	Sackett Prize Committee
2004	Endowed Visiting Research Associate Committee
2003 - 2004	Evaluation Oversight *ad hoc* Committee
2003 - 2004	Education and Outreach *ad hoc* Committee
2003 - 2006	C.W. Bill Young Fellowship Committee
2003 – 2004	Annual Faculty Review Committee
2003 - 2004	Fiscal Policy Committee
2002 - 2006	Graduate Student Recruitment Committee
2002 - 2004	Biology Faculty Recruitment Committee
2002 - 2005	Mentor, GK-12 Graduate Fellowships Program
2002	Eminent Scholar Series Committee
2002 - 2006	Honors and Awards Committee
2002 - 2003	Sea Pay *ad hoc* Committee

University of South Florida Committees

2018	Distinguished University Professor Discipline Committee
2012 – 2013	Faculty Senate: Travel Committee
2008 – 2014	Faculty Senate
2008 – 2014	Faculty Senate: Committee on Committees
2002 - 2004	USF Graduate Council
2002 - 2004	USF Policy Subcommittee; Graduate Council

National and International Committees

2019	Fall AGU Planning Meeting Committee, Ocean Sciences
2019 -	Chair, NSF's Ocean Observatories Initiative Facilities Board (OOIFB)
2019 -	Secretary, Biological Oceanography, American Geophysical Union (AGU)
2019 -	AGU Ocean Sciences Honors and Awards Committee
2019 -	Science advisor, EOS, Earth and Space Science News (AGU publication)
2019 -	Member, International Science Advisory Board (ISAB) for Ocean Networks Canada (ONC), organization responsible for the governance and management of the NEPTUNE Canada and VENUS cabled ocean networks
2018 - present	Biological Chemical Oceanography Data Management Office (BCO-DMO) Strategic Planning Committee
2018	Science advisor, OOI Interdisciplinary Science Career Workshop
2018	Science advisor, OOI Early Career Data Workshop
2018	Member, OOI Lessons Learned Workshop
2018	Organizing Committee, OOI Deep Ocean Observing Workshop
2017 - present	Member, NSF's Ocean Observatories Initiative Facilities Board
2017	Organizing Committee, Irminger Sea Regional Science Workshop, Southampton, UK, November 8-9, 2017
2016 - 2017	Organizing Committee, MOSSFA Workshop, Feb. 6, New Orleans
2016	Organizing Committee, North East Pacific OOI workshop – Cabled, Endurance, and Station Papa Arrays, September 27-29, Portland, Oregon.
2016 – present	USF representative to the UNOLS Council
2016 - 2019	Member, Meetings Committee, Association for the Sciences of Limnology & Oceanography (ASLO)
2015 - 2019	Member, Technical Advisory Committee for the PCMHAB project; Texas A & M University
2014 - 2016	Member, U.S. Ocean Carbon and Biogeochemistry Scientific Steering Committee Ex Officio (NSF funded program)
2014 - 2019	Chair, International Science Advisory Board (ISAB) for Ocean Networks Canada (ONC), organization responsible for the governance and management of the NEPTUNE Canada and VENUS cabled ocean networks.
2014	Organizing committee, Marine Oil Snow Sedimentation and Flocculant Accumulation (MOSSFA) Townhall meeting, GOMRI Oil Conference, Jan. 27, Mobile.
2014	Organized meeting between MOSSFA Working group and Dr. Bill Lehr (Director, NOAA
2013 - 2019	Member, GoMRI inter-consortia working group, Marine Oil Snow Sedimentation and Flocculant Accumulation (MOSSFA)
2013	Organizing committee, MOSSFA Workshop, Oct. 22-23, Tallahassee, FL.
2013	NSF Review Committee, California Current Ecosystem - Long Term Ecological Research Program (CCE LTER) site review

2013 - present	Member, Regional Class Research Vessel Science Oversight Committee (until 2022)
2012 - 2013	Member, Organizing committee for *Gulf of Mexico Coastal Carbon Synthesis Workshop*, March 27-28, 2013, St. Petersburg, FL.
2013	Co-Chair, *OCB Summer Workshop*, Southern Ocean session, July 22-25, 2013, Woods Hole.
2012 - 2013	Member organizing committee, breakout group leader, *Ocean Acidification PI meeting*, Sept. 18-20, 2013, Washington, DC.
2011 - 2014	Member, International Science Advisory Board (ISAB) for Ocean Networks Canada (ONC), organization responsible for the governance and management of the NEPTUNE Canada and VENUS cabled ocean networks
2012	Member, Critical Design Review Team for NEPTUNE Profiling Mooring; 25 April, Seattle, WA
2011 - 2013	Chair, U.S. Ocean Carbon and Biogeochemistry Scientific Steering Committee
2011 -	Member, Gulf of Mexico Coastal Carbon Synthesis Working Group
2010 - 2011	Vice-chair, U.S. Ocean Carbon and Biogeochemistry Scientific Steering Committee
2010 - 2013	Member, U.S. Carbon Cycle Scientific Steering Group (reports to DC Carbon Cycle Interagency Working Group and US Global Change Research Program)
2010 - 2011	Member organizing committee, Ocean Carbon and Biogeochemistry (OCB) Scoping Workshop on a Biogeochemical Flux Program Aligned with the Ocean Observatories Initiative, May 23-25, Woods Hole.
2009 - 2013	Member, U.S. Ocean Carbon and Biogeochemistry Scientific Steering Committee (NSF funded program); Incoming Chair Jan. 2012.
2009 -	Member, Ocean Iron Fertilization OCB Subcommittee
2009 - 2012	Member, National Center for Ecological Analysis and Synthesis (NCEAS) Working Group on Indicators for Ecosystem Health
2009 -	Member, Comparative Analysis of Marine Ecosystems Organization (CAMEO) Scientific Steering Committee (NSF-NOAA funded program)
2008 - 2009	Member Organizing Committee, Ocean Observatories Sensor Workshop, 12-13 March 2009, Portland, OR.
2007 - 2008	Member, Organizing Committee, International Ocean Sensors 2008 Conference, Warnemünde, Germany, 30 March -4 April, 2008.
2007	Chair, Organizing Committee for *Profiling Mooring Workshop for the Ocean Observatories Initiative* Workshop, 10-12 July 2007, Denver, CO.
2007	Chair, Ocean Observatories Initiative Science User Requirements Assessment
2007	Member, Organizing Committee for *Second US GLOBEC Pan-Regional Synthesis Workshop*, 25-28 September, Seattle, WA.
2006	Chair Organizing Committee. *Ocean Observatories Initiative Design and Implementation Workshop* (~300 attendees), 27-30 March 2006, Salt Lake City, UT.
2006 - 2007	Chair, Organizing Committee for *Dissolved Oxygen Probes: Making Oxygen Measurements Routine Like Temperature*. ACT/ORION Workshop. 4-6 January 2007, St. Petersburg, FL.
2006 – 2007	Member, Science and Technology Center for Coastal Margin Observation and Prediction, External Advisory Board 2006-2007.
2006 – 2007	Member, CLEANER (Collaborative Large-Scale Engineering Analysis Network for Environmental Research) Advisory Board 2006-2007.
2004 - 2008	Member, U.S. National GLOBEC Executive Steering Committee
2004 - 2006	Member, ORION Executive Steering Committee; senior advisory committee, which advises the ORION Project Office and NSF on all matters related to the NSF/OCE Ocean Observatory Initiative (OOI)
2004 - 2006	Chair, ORION Sensor Technology Subcommittee

2003 - 2004	Member, Steering Committee for *Ocean Research Interactive Observatory Networks (ORION) Workshop* (~ 300 attendees), San Juan, Puerto Rico, January 2004
2002 - 2008	Member, U.S. National Global Ocean Ecosystem Dynamics (GLOBEC) Science Steering Committee
2002	Member, Organizing Committee for *Coastal Ocean Processes and Observatories: Advancing Coastal Research* Workshop, May 2002
2002	Member, Advisory panel for the replacement of the RVIB *N.B. Palmer*, June 2002 (Office Polar Programs, NSF)
2002 - 2004	Member, Dynamics of Earth and Oceans Systems (DEOS) Committee; advisory committee to the NSF on planning a Major Research Equipment and Facilities Construction (MREFC) project termed the Ocean Observatory Initiative (OOI)

Other Activities:

Reviewed research proposals and participated on review panels: National Science Foundation, NSF/LTER site review, NOAA/National Undersea Research Program, NOAA/Coastal Ocean Program, NOAA/National Marine Fisheries Service, Office of Naval Research, National Environmental Research Council (NERC, UK), Maryland Sea Grant.

Reviewed research articles for Deep-Sea Research, Limnology and Oceanography, Journal of Geophysical Research (Oceans), Polar Biology, Antarctic Science, Antarctic Research Series, Aquatic Microbial Ecology, Marine Ecology Progress Series, ICES Journal of Marine Science, Journal of Marine Systems, Progress in Oceanography, Science (Wash.), Nature Climate Change, Nature Ecology and Evolution, Marine Chemistry.

Book review for CRC Press.

2007 Completed Project Management Applications course, George Washington University

2001 Developed a website on sensor technology, "Ocean Sensor Gateway", URL http://sensors.marine.usf.edu.

Invited Workshops/Session or Workshop Convener/Education/Outreach

2019 Interview for Antarctic article by Alexis Freitag, Associate Producer, Matador

2018 Interviewed for article by Beth Baker, Features Editor, *Blue Exploration: New technologies and networks are expanding knowledge of life in the deep.* Bioscience 68 (11): 835-841. https://doi.org/10.1093/biosci/biy114

Invited article, University of Washington School of Aquatic and Fisheries Sciences, Centennial Stories, July 9.

Invited talk, Ocean Observatories Initiative, National Press Foundation event, July 9.

Chair, Processes Impacting the Distribution and Fate of Oil in the Marine Environment, Oral and Poster sessions, Ocean Sciences Meeting, February 12-16, Portland, Oregon.

Co-Convenor Townhall, Ocean Observatories Initiative Facility Board (OOIFB)/NSF, Ocean Sciences Meeting, February 13, Portland, Oregon.

2017 Interviewed for NY Times article by Steph Yin

2016 Story Collider: Stories About Science podcast, Gulf of Mexico Oil Spill and Ecosystem Conference, Feb. 1, Tampa, FL (10 min story, taped in front of a live audience), Ari Daniel Shapiro and Erin Barker, Producers. http://www.marine.usf.edu/c-image/

AAAS, profiled in "Member Spotlight" website: http://membercentral.aaas.org/blogs/member-spotlight, article by Laura Petersen.

Larry O'Hanlon (AGU) interview for comments on Pinones article

St. Petersburg Science Festival booth, Plankton: Pursuit of the Goldilocks Zone

2015 Co-Convener, Emerging Ecological Impacts of the Deepwater Horizon Oil Spill: Evaluating Ecosystem Change and Resiliency", Gulf of Mexico Oil Spill and Ecosystem Conference, February 16-19, Houston, TX.

PRIMER-E Multivariate Workshop, Seattle (5 days)

2014 Reviewer, Sea Change: 2015-2025 Decadal Survey of Ocean Sciences. National Academy of Sciences Report ISBN 978-0-309-36688-5.

2014 Member organizing committee, Marine Oil Snow Sedimentation and Flocculent Accumulation (MOSSFA) Town Hall meeting, Gulf of Mexico Oil Spill and Ecosystem Science Conference, January 7, Mobile, AL.

Invited talk: Daly. K.L. & Colleagues. Deepwater Horizon Oil Spill Ecosystem Impacts. C-MEDS/Metcalf Institute Oil Spill Science Seminar for Journalists. Gulf of Mexico Oil Spill and Ecosystem Science Conference, January 7, Mobile, AL.

2013 Interviewed by Alexandra Witz for Nature (501: 480-482) article on the Ocean Observatory Initiative.

Gulf of Mexico Research Initiative article; Maggie Dannreuther, Ahoy! Teachers Take to the High Seas to Learn the Science of Oil Spill Research, Sept 10.

Interviewed for Gulf of Mexico podcast "The Loop" Episode 3, produced by David Levin for WUSF "Florida Matters", aired April 2013. http://www.marine.usf.edu/c-image/resources/media-player.

2012 Daly, K.L. and H.M. Benway. Ocean Carbon and Biogeochemistry: Building a community from the bottom up. AAAS, Feb. 20112, Vancouver, BC.

Invited speaker, Ocean Policy and Management Workshop, Feb. 19. Ocean Sciences Meeting, Salt Lake City.

Interviewed for article by Maggie Dannreuther (June 2012). "C-IMAGE At Sea: Monitoring Impacts and Mentoring Students for Long-Term Gulf Oil Studies".

Interviewed for article by Maggie Dannreuther (April 2012). "Research at Sea – Studying Oil Impacts on Food Web in Florida Waters". Communications team for the Gulf of Mexico Research Initiative (GOMRI) wrote a short article highlighting my research cruise supported with BP funds, posted to the GoMRI website.

Interviewed for article: Barone, J. "Once We Wire It Up, What Will The Ocean Tell Us?" Discoverer Magazine, June 25, 2012.

2011 Arranged for Alexa Elliott (Producer/writer WPBT Channel 2 "Changing Seas" program) and Jeremy Nicholson (photographer) to participate and film on my Gulf of Mexico oil response cruise. Documentary released June 28. Participated in screening and live chat event.

Interviews on Deepwater Horizon Oil Spill: Carson Chambers (ABC)

2010 Convener, Oxygen Minimum Zones and Climate Change: Observations and Prediction. Ocean Sciences, 22-26 Feb., Portland, OR.

Session Chair, Low Oxygen Regions, OCB Summer Workshop, 19-22 July, San Diego, CA.

Invited talk: Daly, K.L. Reflections on the Gulf Oil Spill: The Long and Short of It! The Athena Society, October 7, Tampa, FL (attended by Congresswoman Kathy Castor)

Invited talk: Daly, K.L. The Gulf Oil Spill. U.S. Coast Guard Auxiliary Meeting, October 7, St. Petersburg, FL.

Interviews on Deepwater Horizon Oil Spill: Ari Daniel Shapiro (producer) for "Slick of Oil" COSEE-NOW Ocean Gazing Podcast July 28;
http://coseenow.net/podcast/category/ocean-gazing-podcast;
Jim Lebans (producer Quirks & Quarks, Canada's CBC radio network http://www.podcastdirectory.com/podshows/8785232) Aug. 26, National Geographic documentary "Can the Gulf Survive" Sept. 23;
Carson Chambers (ABC); local TV stations, Miami Herald, St. Petersburg Times, etc.

Participant, Acoustic Monitoring System for the OOI Regional Scaled Nodes Fiber-Optic Network Workshop, December

2009 Chair, Southern Ocean session, Ocean Carbon and Biogeochemistry Summer Workshop, July
Co-convener, Oxygen Minimum Zones: Structure, Processes, and Climate Change, ASLO Meeting, 25-30 January, Nice, France.

2008 OceanSensors08 Conference, 31 March-4 April, Warnemunde, Germany.
Invited participant, ICED *Southern Ocean Food Web Modelling Workshop*, 16-18 April, Norfolk, VA.
Session chair: Marine Polar Ecosystems, SCAR Biennial Meeting, 8-11 July, St. Petersburg, Russia.
Invited participant, Southern Ocean GLOBEC Physical Circulation Workshop, October, Norfolk, VA.

2007 Contributor: outreach blog for Eastern Tropical Pacific research cruise, http://www.etpcruise.blogspot.com/
Interviewed for St. Petersburg Times article, *Seas of Knowledge Await USF Scientist,* by Curtis Krueger, February.
Interviewed for USF Magazine article, *Under the Sea,* by Ann Carney, Spring/Summer issue.
Interviewed for Biophotonics article, *Connecting the Ocean to the Web*, by Michael Lander, June.

2006 Interviewed for Oceanus article, *Scientists Gear Up to Launch Ocean Observing Networks*, by Mike Carlowicz, July.
Invited participant. *Alternative Sampling Platforms in the Antarctic Workshop*. 2-3 August, Washington, DC
Convenor of special session: *Ocean Sensor Networks and Cyberinfrastructure, Communication*, Ocean Sciences Meeting, 20-24 February, Honolulu, Hawaii.

2005 Invited discussion leader for *Cetacean-Ecosystem Linkages Workshop*, 2-4 November, Norfolk, VA.

2004 Session chair: *Understanding the Physical and Biological Coupling of Marine Population Dynamics*, AGU meeting, Jan. 2004, Portland.
Interviewed for Science article, *Marine Geologist Hopes to Hear the Heartbeat of the Planet*, by David Malakoff on the NSF Ocean Observatories Initiative, February v303.

2003 Interviewed for Marine Scientist article, *NEPTUNE: A New Way of Monitoring the Oceans 24/7*, by Kristen M. Kusek, spring issue.

2002 Session chair: *Physics and Biology of Antarctic Continental Shelf Waters III*, Ocean Science Meeting, Feb. 2002, Honolulu.
Interviewed for Orlando Sentinel article, *Florida School Sending Researchers into Antarctica*, by Kevin Spear on Antarctic research, April.

2001 Invited Discussion Leader, Gordon Research Conference on Field Analyses and Numerical Modeling of Coupled Physical, Chemical and Biological Systems, 11-16 March 2001, Ventura, CA.
Invited contribution for Antarctic science exhibit at the Museum of Science and Industry, Tampa, FL to complement an IMAX film on Ernst Shackleton.

2000 Science Judge, National Ocean Sciences Bowl, final competition, April 2000, Washington, D.C.
Convener of Workshop and Special Session: *Sensor Technology for Remote Interactive Experiments in Aquatic Environments*, ASLO meeting, June 2000, Copenhagen.
Invited Moderator for Sensor Technology Panel *RIDGE Theoretical Institute: The Subsurface Biosphere at Mid-Ocean Ridges*, August 2000, Big Sky, Montana.

1999 *Marine Zooplankton Symposium II*, February 1999, Savannah, GA.
Large-Scale Variability in the Southern Ocean – Patterns, Mechanisms and Impacts, August, British Antarctic Survey, Cambridge, UK.
Outreach activity on Antarctic cruise with students in an adult education class at

Linn-Benton Community College in Albany, Oregon.

1998 Co-convenor: *Biogeochemical Cycles in the Southern Ocean*; AGU/ASLO meeting, Feb. 1998, San Diego.

Committee to evaluate student posters, AGU/ASLO meeting, Feb. 1998, San Diego.

Science Judge, National Ocean Sciences Bowl, final competition, April 1998, Washington, D.C.

1995 *Biological Initiative in the Arctic: Shelf-Basin Interactions*, March 1995, Townsend, TN. ARCSS/OAII, NSF.

1991 *Patch Dynamics in Terrestrial, Marine, and Freshwater Ecosystems*, Invitation short course, 23 June -19 July 1991, Cornell University. Organizers: S. Levin. T. Powell, J. Steele; National Science Foundation.

Invited participant for *EPA Research Planning Workshop on Biomonitoring in the Antarctic*, 30-31 July 1991, Arlington, VA.