

Ryan P. Kelly

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Education

J.D. 2011, University of California, Berkeley. School of Law (Boalt Hall).
Ph.D. 2006, Columbia University, New York. Ecology, Evolution, and Environmental Biology.
M.Phil. 2005, Columbia University, New York. Ecology, Evolution, and Environmental Biology.
M.A. 2003, Columbia University, New York. Ecology, Evolution, and Environmental Biology.
B.Sc. 2000, University of California, Los Angeles. Ecology and Evolution.

Employment History

2023 - Present: Professor, University of Washington
Director, eDNA Collaborative
Associate Director, School of Marine & Environmental Affairs
Walters Endowed Professor, School of Marine & Environmental Affairs
2018 - 2023: Associate Professor, University of Washington
2013 - 2018: Assistant Professor, University of Washington
September 2011 - March 2013: Fellow, Center for Ocean Solutions, Stanford University
August 2009 - May 2011: Graduate Student Instructor, UC Berkeley
September 2006 - August 2008: Postdoctoral Researcher, Stanford University

Research Interests

My research joins genetic and ecological research with real-world implementation in law and policy, particularly with respect to environmental monitoring, resource management, endangered species, and global change.

Research Experience

2013 - Present: Principal Investigator, University of Washington.
2006 - 2008: Postdoctoral work, Hopkins Marine Station, Stanford University, California.
2002 - 2006: Doctoral research, Columbia University & American Museum of Natural History, New York.

Teaching Experience

2013 - Present: University of Washington
Classes Designed and Taught: SMEA 550 Coding in R for Natural and Social Sciences (2018 - 2021); SMEA 515 Ocean and Coastal Law (2014-2024); SMEA 591 Marine Science in the Coastal Zone (2015-2019); HONORS 223: Water and Society in Italy (Study Abroad; Summer 2018, 2022); SMEA 550B Marine Biodiversity Science, Law, and Policy (2014,2017,2021); SMEA 584 Statistics for Marine and Environmental Policy (2022 - 2024); SMEA 500 Introduction to Marine Affairs / Human Dimensions of Global Change in the Marine Environment (2016); Environmental Studies 250, Data Types and Methods (2013-2015)

2012: Instructor, Stanford University

Class Designed and Taught: Earth Systems 174/274, Marine Biodiversity Science, Law, and Policy (Fall 2012).

2009 - 2011: Graduate Student Instructor, UC Berkeley.

Classes Taught: Biology 1B Field Research Section (Fall 2009 and 2010); Earth and Planetary Sciences C51, Big History (Spring 2010 and 2011).

Publications

2025 ¹

Xiong, J., P. MacCready, E. Brasseale, E.A. Allan, A. Ramón-Laca, K.M. Parsons, M.R. Shaffer, and **R.P. Kelly**. Advective Transport Drives Environmental DNA Dispersal in an Estuary. *Environmental Science & Technology* (in revision).

Valdivia, T., M.R. Shaffer, K.M. Parsons, **R.P. Kelly**, A.O. Shelton, E.K. Jacobson, A. Im, K.M. Nichols, A. Wells, A. Ramón-Laca, A. van Cise. Modeling cetacean eDNA distribution along the Washington coast using metabarcoding from opportunistic samples and generalized additive models. *Environmental DNA* (in revision).

Brasseale, E., N.G. Adams, E.A. Allan, E.K. Jacobson, **R.P. Kelly**, O.R. Liu, S. Moore, M. Shaffer, J. Xiong, and K. Parsons. Marine eDNA production and loss mechanisms. *JGR Oceans* (in revision).

Shaffer, M.R., E.A. Allan, A.M. van Cise, K.M. Parsons, A.O. Shelton, and **R.P. Kelly**. Observation Bias in Metabarcoding. (in press, *Molecular Ecology Resources*).

2024

Guri, G., Ray, J.L., Shelton, A.O., **Kelly, R.P.**, Præbel, K., Andruszkiewicz Allan, E., Yoccoz, N., Johansen, T., Wangensteen, O.S., Hanebrekke, T. and Westgaard, J.-I. (2024), Quantifying the Detection Sensitivity and Precision of qPCR and ddPCR Mechanisms for eDNA Samples. *Ecol Evol*, 14: e70678.

Hirsch, S., Acharya-Patel, N., Amamoo, P. A., Borrero-Pérez, G. H., Cahyani, N. K. D., Ginigini, J. G. M., Hurley, K. K. C., Lopes-Lima, M., Lopez, M. L., Mapholi, N., Ouattara, K. N., Pazmiño, D. A., Rii, Y., Thompson, F., von der Heyden, S., Watsa, M., Yepes-Narvaez, V., Allan, E., **Kelly, R.P.**. Centering accessibility, increasing capacity, and fostering innovation in the development of international eDNA standards. *Metabarcoding & Metagenomics* (in press).

Guri, G., Shelton, A.O., **Kelly, R.P.**, Yoccoz, N., Johansen, T., Præbel, K., Hanebrekke, T., Ray, J.L., Fall, J. and Westgaard, J.I. Predicting trawl catches using environmental DNA. *ICES Journal of Marine Science: fsae097*.

Fisher, M.C., E.W. Grason, A. Stote, K. Litle, **R.P. Kelly**, and P. Sean McDonald. Invasive European green crab (*Carcinus maenas*) predation revealed with quantitative DNA metabarcoding. *PlosOne* 19(5).

Kelly, R.P., T. Klinger, P. Krug, and J. Meyer. 2024. *Between the Tides in California: Exploring Beaches and Tidepools*. University of Washington Press.

2023

Doi, H. and **R.P. Kelly**, Ethical Considerations for Human Sequences in Environmental DNA. 2023. *Nature Ecology & Evolution* 7, 1334-1335.

Kelly, R.P., David M. Lodge, Kai N. Lee, (and 34 coauthors). 2023. Toward a National eDNA Strategy for the United States. *Environmental DNA*. *Environmental DNA* 6(1): e432.

Lee, K.N., **R.P. Kelly**, E. Demir-Hilton, E. Laschever, and E.A. Allan. 2023. Adoption of Environmental DNA in Public Agency Practice. *Environmental DNA* 6(1): e470.

Laschever, E., **R.P. Kelly**, *Michelle Hoge*, and Kai N. Lee. The Next Generation of Environmental Monitoring: Environmental DNA in Federal Agency Practice. 2023. 48 *Columbia Environmental Law Journal* 260-

¹Postdocs underlined, students *italicized*.

Guri, G., Westgaard, J.I., Yoccoz, N., Wangensteen, O.S., Præbel, K., Ray, J.L., Kelly, R.P., Shelton, A.O., Hanebrette, T. and Johansen, T. Maximizing sampling efficiency to detect differences in fish community composition using environmental DNA metabarcoding in subarctic fjords. *Environmental DNA* 6(1) e409.

Gold, Z., **R.P. Kelly**, A.O. Shelton, A. Thompson, K.D. Goodwin, R. Gallego, K. Parsons, L.R. Thompson, D. Kacev, and P.H. Barber. Archived DNA reveals marine heatwave-associated shifts in fish assemblages. *Environmental DNA*, 6(1) e400.

Allan, E.A., **R.P. Kelly**, E. D'Agnese, M. Garber-Yonts, M. Shaffer, Z. Gold, and A.O. Shelton. 2023. Quantifying the Impacts of an Environmental Intervention Using Environmental DNA. *Ecological Applications* e2914.

Gold, Z., Shelton, A.O., Casendino, H.R., Duprey, J., Gallego, R., Van Cise, A., Fisher, M., Jensen, A.J., D'Agnese, E., Allan, E.A. and Ramon-Laca, A., 2023. Signal and Noise in Metabarcoding Data. *PlosOne* 18(5), e0285674.

Duprey, J., Gallego, R., Klinger, T. and **Kelly, R.P.** Environmental DNA reveals patterns of biological invasion in an inland sea. *PlosOne* 18(12) e0281525.

A.J Jensen, **R.P. Kelly**, W.H. Satterthwaite, E.J. Ward, P. Moran, and A.O. Shelton. 2023. Modeling Ocean Distributions and Abundances of Natural- and Hatchery-Origin Chinook Salmon Stocks with Integrated Genetic and Tagging Data. *PeerJ* 11: e16487.

2022

Shelton, A.O., Gold, Z., A.J. Jensen, E. D'Agnese, E. Allan, A. Van Cise, R. Gallego, A. Ramón-Laca, M. Garber-Yonts, K. Parsons, **R.P. Kelly**. 2022. Quantitative Metabarcoding. *Ecology*, e3906.

Samhouri, J.F., Shelton, A.O., Williams, G.D., Feist, B.E., Hennessey, S.M., Bartz, K., **Kelly, R.P.**, O'Donnell, J.L., Sheer, M., Stier, A.C. and Levin, P.S., 2022. How much city is too much city? Biodiversity and ecosystem functioning along an urban gradient at the interface of land and sea. *Frontiers in Marine Science*, 9.

Crosman, K.M., Allison, E.H., Ota, Y. et al. Social Equity is Key to Sustainable Ocean Governance. *npj Ocean Sustainability* 1, 4 (2022).

Kelly, R.P., T. Klinger, and J. Meyer. 2022. *Between the Tides in Washington and Oregon: Exploring Beaches and Tidepools*. University of Washington Press.

Shelton, A.O., A. Ramón-Laca, A. Wells, J. Clemons, D. Chu, B.E. Feist, **R.P. Kelly**, S.L. Parker-Stetter, R. Thomas, K.M. Nichols, and L. Park. 2022. Environmental DNA provides quantitative estimates of Pacific hake abundance and distribution in the open ocean. *Proceedings of the Royal Society B* 289: 20212613.

Keller, A., E. Grason, P.S. McDonald, A. Ramón-Laca, **R.P. Kelly**. 2022. Tracking an Invasion Front with Environmental DNA. *Ecological Applications*, e2561.

A.J. Jensen, **R.P. Kelly**, E.C. Anderson, W.H. Satterthwaite, A.O. Shelton, and E.J. Ward. 'zoid': A Mixture Model (and R Package) for Modeling Proportional Data with 0s and 1s in Ecology. *Ecology*, e3804.

2021

Jacobs-Palmer, E., Gallego, R., Cribari, K., Keller, A., and **Kelly, R. P.** 2021. Environmental DNA Metabarcoding for Simultaneous Monitoring and Ecological Assessment of Many Harmful Algae. *Frontiers in Ecology and Evolution* 9:262.

2020

Gold, Z., A.R. Wall, E.E. Curd, **R.P. Kelly**, N.D. Pentcheff, L. Ripma, P.H. Barber, and R. Wetzer. 2020. eDNA Metabarcoding Bioassessment of Endangered Fairy Shrimp (*Branchinecta* spp.). *Conservation Genetics Resources* 12: 685-690.

Ray, J.L., M. S. Strom, T. Johansen, K.D. Goodwin, F. Arzayus, E.J. Gorecki III, R. Methot, T. Noji, A.O. Shelton, C. Werner, D. Wieczorek, P. Arneberg, C. Junge, M. Mauritzen, E. Olsen, M. Stiasny, J-I. Westgaard, T. Baussant, T. Dahlgren, A. Larsen, K. Praebel, O.S. Wangensteen, E.A. Allen, **R.P. Kelly**, J. Palardy, and I. Salter. U.S.-Norway Intergovernmental Group on eDNA Implementation for Fisheries Stock Assessments and Management. 2020. Implementation of Environmental DNA (eDNA) as a Tool for Ecosystem-Based Fisheries Management. U.S. Department of Commerce, NOAA White Paper NMFS-NWFSC-WP-2020-

01.[Role: participated in bilateral working group; revised drafts]

R. Gallego, E. Jacobs-Palmer, Kelly Cribari, and **Kelly, R.P.**. 2020. Environmental DNA Metabarcoding Reveals Winners and Losers of Global Change in Coastal Waters. *Proceedings of the Royal Society B* 287:20202424.

E. Jacobs-Palmer, R. Gallego, Ana Ramón-Laca, Emily Kunselman, Kelly Cribari, Micah Horwith, and **Kelly, R.P.**. 2020. A Halo of Reduced Dinoflagellate Abundance In and Around Eelgrass Beds. *PeerJ* 8: e8869.

Djurhuus, A., C. Closek, **R.P. Kelly** K. Pitz, R. Michisaki, H. Starks, K. Walz, E. Andruszkiewicz, E. Olesin, K. Hubbard, E. Montes, Enrique D. Otis, F. Muller-Karger, F. Chavez, A. Boehm, and M. Breitbart. Environmental DNA Reveals Seasonal Shifts and Potential Interactions in a Marine Community. *Nature Communications* 11: 1-9.

2019

Kelly, R.P., A.O. Shelton, and R. Gallego. 2019. Understanding PCR Processes to Draw Meaningful Conclusions from Environmental DNA Studies. *Scientific Reports* 9: 12133.

Shelton, A.O., **R.P. Kelly**, J.L. O'Donnell, L. Park, P. Schwenke, C. Greene, R.A. Henderson, and E.M. Beamer. 2019. Environmental DNA Provides Quantitative Estimates of a Threatened Salmon Species. *Biological Conservation* 237: 383-391.

Lebon, K. and **R.P. Kelly**. Evaluating Alternatives to Reduce Whale Entanglements in Commercial Dungeness Crab Fishing Gear. 2019. *Global Ecology and Conservation* 18:e00608.

2018

Tillotson, M.D., **R.P. Kelly**, J.J. Duda, M. Hoy, J. Kralj, and T.P. Quinn. 2018. Concentrations of Environmental DNA (eDNA) Reflect Spawning Salmon Abundance at Fine Spatial and Temporal Scales. *Biological Conservation* 220:1-11.

Kelly, R.P., R. Gallego Simón, and E. Jacobs-Palmer. 2018. The Effect of Tides on Nearshore Environmental DNA. *PeerJ*: 6:e4521.

Hart, C.J., **R.P. Kelly**, and S.F. Peterson. 2018. Will the California Current Lose its Nesting Tufted Puffins? *PeerJ*: 6:e4519.

Battista, W., **R.P. Kelly**, A. Erickson, and R. Fujita. 2018. Fisheries Governance Impacting Conservation Outcomes in the United States and European Union. *Coastal Management*: 1-65.

Lee, T.S., J.D. Toft, J. Cordell, M.N. Dethier, J. Adams, and **R.P. Kelly**. 2018. Quantifying the Effectiveness of Shoreline Armoring Removal on Coastal Biota of Puget Sound. *PeerJ* 6:e4275.[Role: advised master's thesis resulting in publication; advised analysis and edited drafts]

2017

O'Donnell, J.L., **R.P. Kelly**, A.O. Shelton, J.F. Samhour, N.C. Lowell, G.D. Williams. 2017. Spatial Distribution of Environmental DNA in a Nearshore Marine Habitat. *PeerJ* 5:e3044.

Mossler, M.V., A. Bostrom, **R.P. Kelly**, K.M. Crosman, and P. Moy. 2017. How Does Framing Affect Policy Support for Emissions Mitigation? Testing the Effect of Ocean Acidification and Other Frames. *Global Environmental Change* 45:63-78.

Kelly, R.P., C.J. Closek, J.L. O'Donnell, J.E. Kralj, A.O. Shelton, and J.F. Samhour. 2017. Genetic and Manual Survey Methods Yield Different and Complementary Views of an Ecosystem. *Frontiers in Marine Science* 3:283, doi=10.3389/fmars.2016.00283.[Role: led study]

Kelly, R.P. 2017. Ocean Acidification Policy: Applying the Lessons of Washington to California and Beyond. *7 Washington Journal of Environmental Law and Policy* 1-34.

Kelly, R.P., P. Levin, and K.N. Lee. 2017. Science, Policy, and Data-Driven Decisions in a Data Vacuum. *44 Ecology Law Quarterly* 7.

Cooley, S.R., J.E. Cheney, **R.P. Kelly**, and E.H. Allison. Ocean Acidification and Pacific Oyster Larval Failures in the Pacific Northwest United States. Chapter 2: 40-53. *In: Guillotreau, P., A. Bundy, & R.I. Perry (Eds.), Societal and Governing Responses to Global Change in Marine Systems (2017, Routledge).*[Role:

co-wrote and co-edited chapter]

2016

- Hillier, A., **R.P. Kelly**, and T. Klinger. 2016. Narrative Style Influences Citation Frequency in Climate Change Science. *PLoS One* 11(12): e0167983.
- Kelly, R.P.**, J.L. O'Donnell, N.C. Lowell, A.O. Shelton, J.F. Samhuri, S.M. Hennessey, B.E. Feist, and G.D. Williams. 2016. Genetic Signatures of Ecological Diversity Along an Urbanization Gradient. *PeerJ* 4:e2444.
- Freeman, M.C., L. Whiting, and **R.P. Kelly**. 2016. Assessing Potential Spatial and Temporal Conflicts in Washington's Marine Waters. *Marine Policy* 70: 137-144.
- Kelly, R.P.** 2016. Making Environmental DNA Count. *Molecular Ecology Resources* 16: 10-12.
- Battista, W., **R.P. Kelly**, A. Erickson, and R. Fujita. 2016. A Comprehensive Method for Assessing Marine Resource Governance: Case study in Kāne'ohe Bay, Hawai'i. *Coastal Management* 44: 295-332.
- Lowell, N. and **R.P. Kelly**. 2016. Evaluating Agency Use of "Best Available Science" Under the United States Endangered Species Act. *Biological Conservation* 196:53-59.
- Port, J.A., J.L. O'Donnell, O.C. Romero-Maraccini, P.R. Leary, S.Y. Litvin, K.J. Nickols, and **R.P. Kelly**. 2016. Assessing the Vertebrate Community of a Kelp Forest Ecosystem using Environmental DNA. *Molecular Ecology* 25(2):527-541.
- O'Donnell, J.L., **R.P. Kelly**, N. Lowell, and J.A. Port. 2016. Indexed PCR Primers Induce Template-Specific Bias in Large-Scale DNA Sequencing Studies. *PLoS One* 11(3): e0148698.
- Shelton, A.O., J.L. O'Donnell, J.F. Samhuri, N. Lowell, G.D. Williams, and **R.P. Kelly**. 2016. A Framework for Inferring Biological Communities from Environmental DNA. *Ecological Applications* 26(6): 1645-1659.
- Albright, R., D. Alongi, K. Anthony, M. Baird, M. Byrne, C. Collier, S. Dove, K. Fabricius, T. Fyffe, K. Gale, C. Hanratty, O. Hoegh-Guldberg, **R.P. Kelly**, J. Lough, M. Mongin, J. Monks, P. Munday, J.K. Oliver, R. Pears, M. Rodgers, B. Russell, B. Tilbrook, E. Abal. 2016. Ocean Acidification: Linking Science to Adaptive Management Solutions. *Journal of Environmental Management* 182: 641-650.

2015

- Gattuso, J.-P., A. Magnan, R. Billé, W.W.L. Cheung, E.L. Howes, F. Joos, D. Allemand, L. Bopp, S. Cooley, C.M. Eakin, O. Hoegh-Guldberg, **R.P. Kelly**, H.-O. Pörtner, A.D. Rogers, J.M. Baxter, D. Laffoley, D. Osborn, A. Rankovic, J. Rochette, U.R. Sumaila, S. Treyer, C. Turley. 2015. Contrasting Futures for Ocean and Society from Different CO₂ Emissions Scenarios. *Science* 349 (6243): aac4722.
- Marshall, K., A. Stier, J. Samhuri, **R.P. Kelly**, E. Ward. 2015. Conservation Challenges of Predator Recovery. *Conservation Letters* 9(1):70-78.
- Selkoe, K.A., T. Blenckner, M.R. Caldwell, L. Crowder, A. Erickson, T. Essington, J. Estes, R. Fujita, B.S. Halpern, M. Hunsicker, C.V. Kappel, **R.P. Kelly**, J.N. Kittinger, P.S. Levin, J. Lynham, M. Mach, R. Martone, L. Mease, A. Salomon, J. Samhuri, C. Scarborough, A. Stier, C. White, J. Zedler. 2015. Principles for Managing Marine Ecosystems Prone to Tipping Points. *Ecosystem Health and Sustainability* 1(5):17.
- Kelly, R.P.**, A.L. Erickson, and L.A. Mease. 2015. How Not to Fall Off a Cliff, or, Using Tipping Points to Improve Environmental Management. *41 Ecology Law Quarterly* 843.
- Kelly, R.P.** 2015. Will More, Better, Cheaper, and Faster Monitoring Improve Environmental Management? *44 Environmental Law* 1111-1147.

2014

- Kelly, R.P.**, J.A. Port, K.M. Yamahara, R.G. Martone, N. Lowell, P.F. Thomsen, M.E. Mach, E. Prahler, M.R. Caldwell, and L.B. Crowder. 2014. Harnessing DNA to Improve Environmental Management, *Science* 344 (6191): 1455-1456. doi:10.1126/science.1251156.
- Kelly, R.P.**, J.A. Port, K.M. Yamahara, and L. Crowder. 2014. Using Environmental DNA to Census Marine Fishes in a Large Mesocosm. *PLoS One* 9(1): e86175. doi:10.1371/journal.pone.0086175.

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- Kelly, R.P.**, A. Erickson, L. Mease, W. Battista, J. Kittinger, R. Fujita. 2014. Embracing Thresholds for Better Environmental Management. *Philosophical Transactions of the Royal Society B* 370: 20130276.
- 2013**
- Kelly, R.P.**, S.R. Cooley, T. Klinger. 2013. Narratives Can Motivate Environmental Action: The Whiskey Creek Ocean Acidification Story. *Ambio* 43(5): 592-599.
- Billé, R., **R.P. Kelly**, A. Biastoch, E. Harrould-Kolieb, D. Herr, F. Joos, K. Kroeker, D. Laffoley, A. Oschlies, and J.-P. Gattuso. 2013. Taking Action Against Ocean Acidification: A Review of Management and Policy Options. *Environmental Management* 52(4): 761-779.[Role: contributed significantly to study development; edited drafts] **Kelly, R.P.**, and M. Caldwell. 2013. "Not Supported by Current Science" : The National Forest Management Act and the Lessons of Environmental Monitoring for the Future of Public Resources Management. 32 *Stanford Environmental Law Journal* 151.
- Kelly, R.P.**, and M. Caldwell. 2013. Ten Ways States Can Fight Ocean Acidification (and Why They Should). 37 *Harvard Environmental Law Review* 57. [ALSO REPRINTED in: 6 *Washington Journal of Law and Policy* 288 (2016)].
- Caldwell, M. R., Hartge, E. H., Ewing, L. C., Griggs, G., **Kelly, R. P.**, Moser, S. C., Newkirk, S. G., Smyth, R. A., & Woodson, C.B. 2013. Chapter 9: Coastal Issues. In: Garfin, G., Jardine, A., Merideth, R., Black, M., & LeRoy, S. (Eds.), *Assessment of Climate Change in the Southwest United States: a Report Prepared for the National Climate Assessment*. A report by the Southwest Climate Alliance. Washington, DC: Island Press.
- Prior**
- Kelly, R.P.**, and M.R. Caldwell. 2012. The Limits of Water Quality Criteria. *The Environmental Forum* 29(6): 34-38.
- Kelly, R.P.**, and J. Grote Stoutenburg. 2012. Washington State's Legal and Policy Options for Combating Ocean Acidification in State Waters. Center for Ocean Solutions. (Available at: <http://www.ecy.wa.gov>).
- Kelly, R.P.**, and M. Caldwell. 2012. Why Ocean Acidification Matters to California, and What California Can Do About It. Center for Ocean Solutions. (Available at: <http://www.centerforoceansolutions.org>).
- Kelly, R.P.**, M.M. Foley, W. Fisher, R. Feely, B.S. Halpern, G.G. Waldbusser, and M.R. Caldwell. 2011. Mitigating Local Causes of Ocean Acidification with Existing Laws. *Science* 332: 1036-1037.
- Kelly, R.P.** 2011. Spineless Wonders: How Listing Marine Invertebrates and their Larvae Challenges the US Endangered Species Act. 19 *Penn State Environmental Law Review* 1-53.
- Barshis, D.J., E.E. Sokta, **R.P. Kelly**, A. Sivasundar, B.A. Menge, J. Barth, and S.R. Palumbi. 2011. Coastal Upwelling May Drive Sweepstakes Recruitment in the Acorn Barnacle *Balanus glandula* *Marine Ecology Progress Series* 439: 139-150.
- Kelly, R.P.** 2010. The Use of Population Genetics in Endangered Species Act Listing Decisions. 37 *Ecology Law Quarterly* 1107-1159.
- Kelly, R.P.**, and S.R. Palumbi. 2010. Genetic Structure Among 50 Species of the Northeastern Pacific Rocky Intertidal Community. *PLoS One* 5(1): e8594. doi:10.1371/journal.pone.0008594.
- Kelly, R.P.**, T.A. Oliver, A. Sivasundar, and S.R. Palumbi. 2010. A Method for Detecting Population Genetic Structure in Diverse, High Gene-Flow Species. *Journal of Heredity* 101(4): 423-436.
- Kelly, R.P.**, and S.R. Palumbi. 2009. General-use polymerase chain reaction primers for amplification and direct sequencing of enolase, a single-copy nuclear gene, from different animal phyla. *Molecular Ecology Resources* 9: 144-147.
- Kelly, R.P.**, and D.J. Eernisse. 2008. Reconstructing a Radiation: The Chiton Genus *Mopalia* in the North Pacific. *Invertebrate Systematics* 22: 17-28.

- Kelly, R.P.**, and D.J. Eernisse. 2007. Southern Hospitality: A Latitudinal Gradient in Gene Flow in the Marine Environment. *Evolution* 61(3): 700-707.
- Kelly, R.P.**, I.N. Sarkar, D.J. Eernisse, and R. Desalle. 2007. DNA Barcoding Using Chitons (genus *Mopalia*). *Molecular Ecology Notes* 7: 177-183.

Dissertation

- Kelly, R.P.** 2006. Genetics and Geography in Pacific Coast Chitons (Mollusca; Polyplacophora). PhD Dissertation, Department of Ecology, Evolution, and Environmental Biology. Columbia University, New York City. 276pp.