

Mariah H. Meek

Department of Integrative Biology
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PROFESSIONAL APPOINTMENTS

Assistant Professor, Dept of Integrative Biology, Michigan State University	2016 - present
Society for Conservation Biology David H. Smith Conservation Research Fellow, Cornell U.	2015-2016
Assistant Project Scientist of Fish Ecology, Dept. of Animal Science, University of California, Davis	2013-2015
Post-doctoral Researcher in Fish Ecology, Dept. of Animal Science, University of California, Davis	2010-2013
Environmental Scientist, Windward Environmental, Seattle, WA	2001-2003

EDUCATION

PhD in Ecology, University of California, Davis, Advising Professor: Dr. Bernie May Dissertation Title: Invasion biology of three species of hydrozoans in the upper San Francisco Estuary	2010
Bachelor of Science, Honors College, University of Washington, Seattle, WA Majors: Biology and Zoology, Minor: Fisheries	2000

HONORS

Society for Conservation Biology David H. Smith Fellow	2015
University of California-Davis Hillyer Service Award	2010
Presidential Management Fellowship Finalist	2010
National Oceanic and Atmospheric Administration Dr. Nancy Foster Scholar	2006
National Science Foundation Graduate Research Fellowship Honorable Mention	2005
University of Washington Dean's List	1996-2000
Howard Hughes Medical Institute Research Fellowship	1998
Golden Key International Honour Society	1997
Women in Science, Math, and Technology Saturday Academy honoree	1994

RESEARCH GRANTS AND FELLOWSHIPS

2019		
	California Delta Science Program. Principal Investigator	\$632,909
	An improved genomic tool for characterizing life history diversity and promoting resilience in Central Valley Chinook salmon	
2018		
	BEACON – NSF Center for the Study of Evolution in Action. Co-Principal Investigator	\$33,800
	Salmon Run: An evolutionary ecology educational game	
	US Fish and Wildlife Service Great Lakes Restoration Initiative. Principal Investigator	\$149,550
	Population genetic analysis of Lake Superior basin brook trout	
	California Dept. of Fish and Wildlife. co-Principal Investigator	\$497,905
	Development of SHERLOCK technology for Chinook salmon run-typing	
2017		
	USGS Climate Science Center. Principal Investigator	\$44,928
	Population genetic analysis of Lake Superior basin brook trout	
	US Fish and Wildlife Service Great Lakes Restoration Initiative. Principal Investigator	\$94,990
	Population genetic analysis of Lake Superior basin brook trout	
	California Dept. of Water Resources. Principal Investigator	\$25,461
	Evaluation of floodplain rearing of Chinook salmon	

RESEARCH GRANTS AND FELLOWSHIPS

2016	National Fish and Wildlife Foundation Bring Back the Natives. Principal Investigator	\$63,060
	Improving brook trout conservation by predicting responses to climate change	
	California Dept. of Water Resources. Principal Investigator	\$188,374
	Evaluation of floodplain rearing of Chinook salmon	
2015	Society for Conservation Biology David H. Smith Fellowship	\$222,096
	Cornell Atkinson Center for a Sustainable Future. Principal Investigator	\$20,052
	Improving cold-water fish conservation by predicting responses to climate change with genomic profiling	
2013	UC Davis Center for Watershed Sciences. Principal Investigator	\$10,408
	Understanding population structure of Fall River rainbow trout	
2012	CALFED Ecosystem Restoration Program Grant. co-Principal Investigator	\$878,020
	Evaluation of floodplain rearing and migration in the Yolo Bypass	
2011	Fundraising for Symposium on the Conservation of Extremely Small Populations	\$5,830
2004-2007	NOAA Dr. Nancy Foster Scholarship	\$128,000
	CALFED Science Program Grant. co-principal writer (PIs: May, B. and Moyle, P.).	\$430,870
	Predicting the effects of invasive Hydrozoa (jellyfish) on pelagic organisms under changing salinity and temperature regimes	
	Genetic Resources Conservation Program. Principal writer (PI: May, B.)	\$3,600
	UC Davis Biological Invasions IGERT Short-term Fellowship	\$500
	UC Davis Jastro Shields Scholarship	\$500
	San Diego State University Doctoral Research Grant	\$2,000
	Achievement Rewards for College Scientists (ARCS) Foundation Grant	\$15,000
	Rancho Santa Fe Garden Club Scholarship	\$1,500

PEER REVIEWED PUBLICATIONS

- Meek, M., S. Barbosa, E. Beever, S. Campbell-Staton, S. Fitzpatrick, N. Fletcher, J. Hellmann, C. Mittan, and B. Reid. Local adaptation-informed management for improved biodiversity conservation in the face of rapid global change. Invited Review at Trends in Ecology and Evolution. In revision.
- Kasubinski, SF., J. Pechal, C. Schmidt, H. Jordan, M. Benbow, and M. Meek. Evaluating bioinformatic pipeline performance for forensic microbiome analysis. In revision at Journal of Forensic Sciences.
- Meek, M., M. Stephens, A. Goodbla, B. May, and M. Baerwald. 2019. Identifying hidden biocomplexity and genomic diversity in Chinook salmon, an imperiled species with a history of anthropogenic influence. In press at Canadian Journal of Fisheries and Aquatic Sciences.
- Euclide, P., G. McKinney, M. Bootsma, C. Tarsa, M. Meek, and W. Larson. 2019. Attack of the PCR clones: Rates of clonality have little effect on RAD-seq genotype calls. In press at Molecular Ecology Resources.
- Meek, M. and W. Larson. 2019. The future is now: amplicon sequencing and sequence capture usher in the conservation genomics era. Molecular Ecology Resources. 19(4): 795-803.
- Wetzel W. and M. Meek. 2019. Physical defenses and herbivory vary more within plants than among plants in the tropical understory shrub *Piper polytrichum*. Botany. DOI: 10.1139/cjb-2018-0160

- Saglam, I., D. Prince, M. Meek, O. Ali, M. Miller, M. Peacock, H. Neville, C. Mellison, W. Somer, B. May, A. Finger. 2017. Genomic data reveals genetic distinctiveness of the Paiute cutthroat trout from the Lahontan cutthroat trout. *Transactions of the American Fisheries Society*. 146(6): 1291-1302.
- Winford, E., M. Wilkerson, L. Porensky, I. Lacher, K. Garbach, K. Deiner, J. Blickley, and M. Meek. 2017. An undergraduate student's guide to necessary skills for careers in wildlife science. *In* Krausman, P. and S. Henke (eds.) *Becoming a wildlife professional*. John Hopkins University Press and The Wildlife Society.
- Meek, M., M. Baerwald, M. Stephens, A. Goodbla, K. Tomalty, M. Miller, and B. May. 2016. Sequencing improves our ability to study threatened migratory species: genetic population assignment in California's Central Valley Chinook salmon. *Ecology and Evolution*. DOI: 10.1002/ece3.2493
- Meek, M., C. Wells, K. Tomalty, J. Ashander, E. Cole, D. Gille, B. Putnam, J. Rose, M. Savoca, L. Yamane, J. Hull, D. Rogers, E. Rosenblum, J. Shogren, R. Swaisgood, and B. May. 2016. We should not be afraid to talk about the effects of the fear of failure on conservation. *Biological Conservation*. 194: 218-219.
- Ali, O., S. O'Rourke, S. Amish, M. Meek, G. Luikart, C. Jeffres, and M. Miller. 2016. RAD Capture (Rapture): Flexible and efficient sequence-based genotyping. *Genetics*. 202(2): 389-400.
- Baerwald, M., M. Meek, M. Stephens, R. Nagarajan, A. Goodbla, K. Tomalty, G. Thorgaard, B. May, and K. Nichols. 2016. Migratory phenotypic divergence is associated with epigenetic modifications in rainbow trout. *Molecular Ecology, Special Issue: Epigenetic Studies in Ecology and Evolution*. 25(8): 1785-1800. *Cover story*.
- Meek, M., C. Wells, K. Tomalty, J. Ashander, E. Cole, D. Gille, B. Putnam, J. Rose, M. Savoca, L. Yamane, J. Hull, D. Rogers, E. Rosenblum, J. Shogren, R. Swaisgood, and B. May. 2015. Overcoming the fear of failure to improve the conservation of extremely small populations. *Biological Conservation*. 184: 209-217.
- Lew, R. A. Finger, M. Baerwald, A. Goodbla, B. May, and M. Meek*. 2015. Using next-gen sequencing to assist a conservation hatchery: A SNP panel for the genetic management of endangered Delta Smelt. *Transactions of the American Fisheries Society*. 144(4): 767-779. *Senior author, I advised R. Lew on this project for his Masters thesis in the Graduate Group in Ecology at the University of California, Davis
- Tomalty, K., M. Meek, M. Stephens, G. Rincón, N. Fangué, B. May, and M. Baerwald. 2015. Transcriptional response to acute thermal stress in juvenile Chinook salmon, *Oncorhynchus tshawytscha*, determined by RNAseq. *G3: Genes, Genomes, Genetics*. 5(7): 1335-1349.
- Meek, M., M. Stephens, A. Wong, K. Tomalty, B. May, M. Baerwald. 2014a. Genetic characterization of California's Central Valley Chinook salmon. *Ecology*. 95(5):1431. <http://www.esapubs.org/archive/ecol/E095/125/metadata.php>
- Meek, M., M. Stephens, K. Tomalty, B. May, and M. Baerwald. 2014b. Genetic considerations for sourcing steelhead reintroductions: investigating possibilities for the San Joaquin River. *San Francisco Estuary and Watershed Science*. 12(1): jmie_sfews_16154. <http://www.escholarship.org/uc/item/6wn5q90h>
- Tomalty, K., M. Stephens, M. Baerwald, K. Bork, M. Meek, and B. May. 2014. Genetic considerations for fall-run Chinook salmon during the San Joaquin River Restoration. *San Francisco Estuary and Watershed Science*. 12(2): jmie_sfews_14880. <http://escholarship.org/uc/item/7bp9m8t9>
- Meek, M., A. Wintzer, N. Sheperd, and B. May. 2013. Genetic diversity and reproductive mode in two non-native hydromedusae, *Maeotias marginata* and *Moerisia* sp., in the Upper San Francisco Estuary, California. *Biological Invasions*. 15(1): 199-212.

PEER REVIEWED PUBLICATIONS

- Wintzer, A., M. Meek, and P. Moyle. 2013. Abundance, size, and diel feeding ecology of *Blackfordia virginica* (Mayer, 1910), a non-native hydrozoan in the lower Napa and Petaluma Rivers, California (USA). *Aquatic Invasions*. 8(2): 147-156.
- Blickley, J., K. Deiner, K. Garbach, I. Lacher, M. Meek*, L. Porensky, M. Wilkerson, E. Winford, and M. Schwartz. 2013. A graduate student's guide to necessary skill sets for conservation careers outside academia. *Conservation Biology*. 27(1): 24-34. *Order for first 8 authors determined alphabetically as all contributed equally.
- Meek, M. A. Wintzer, W. Wetzel, and B. May. 2012. Climate change likely to facilitate the invasion of the non-native hydroid, *Cordylophora caspia*, in the San Francisco Estuary, CA. *PLoS ONE*. 7(10): e46373. doi:10.1371/journal.pone.0046373.
- Wintzer, A., M. Meek, P. Moyle, and B. May. 2011a. Ecological insights into the polyp stage of non-native hydrozoans in the San Francisco Estuary. *Aquatic Ecology*. 5(2): 151-161.
- Wintzer, A., M. Meek, and P. Moyle. 2011b. Trophic ecology of two non-native hydrozoans in the upper San Francisco Estuary: implications for the Pelagic Organism Decline. *Marine and Freshwater Res.* 62(8): 952-961. *Cover story*.
- Wintzer, A., M. Meek, and P. Moyle. 2011c. Life history and population dynamics of *Moerisia* sp., a non-native hydrozoan in the upper San Francisco Estuary (U.S.A.). *Estuarine Coastal and Shelf Sci.* 94(1):48-55.
- Meek, M., M. Baerwald, A. Wintzer, and B. May. 2009. Isolation and characterization of microsatellite loci in two non-native hydromedusae in the San Francisco Estuary: *Maeotias marginata* and *Moerisia* sp. *Conservation Genetics Resources*. 1(1): 205-208.

TECHNICAL REPORTS

- Stephens, M., B. Erickson, A. Schreier, K. Tomalty, M. Baerwald, B. May, and M. Meek. 2013. Genetic management plan for California Golden Trout. Prepared for US Fish and Wildlife Service. 73p.
- Meek, M., M. Stephens, M. Baerwald, K. Tomalty, and B. May. 2012. San Joaquin River steelhead genetic considerations. Prepare for the San Joaquin River Restoration Program. 34 p.
- Tomalty, K., M. Stephens, M. Baerwald, K. Bork, M. Meek, and B. May. 2012. Genetic considerations for fall-run Chinook salmon during the San Joaquin River Restoration. Prepared for the San Joaquin R Restoration Program. 31 p.
- Baerwald, M., M. Stephens, K. Bork, M. Meek, K. Tomalty, and B. May. 2011. Spring-run Chinook salmon genetic management plan. Prepared for the San Joaquin River Restoration Program. figshare. 124 p. <http://dx.doi.org/10.6084/m9.figshare.801104>
- Wintzer, A. and M. Meek. 2011. Notes on the morphology and ecology of non-native hydrozoa benthic stages in the brackish waters of the San Francisco Estuary. *Interagency Ecological Program Newsletter*. 24(3):12-16. <http://www.water.ca.gov/iep/newsletters/2011/IEPNewsletterFinalSummer2011.pdf>

POPULAR PRESS AND OUTREACH

- Huffington Post: "Can Trout Evolve to Survive Climate Change? 5 Questions for Dr. Mariah Meek" Posted online 3/09/2016 <http://www.huffingtonpost.com/tim-ward/can-trout-evolve-to-survive-5-questions-for-dr-mariah-meek-9406796.html>
- "Mariah Meek Harnesses the Power of New Genomic Tools to Address a Real-world Conservation Problem" <https://integrativebiology.natsci.msu.edu/news/mariah-meek-harnesses-the-power-of-new-genomic-tools-to-address-a-real-world-conservation-problem/>

Adirondack Explorer magazine: "Climate matters: Will the trout be saved?" November/December 2015

TEACHING

Instructor, Professional development for graduate students in science, Michigan State University	2019
• Enrollment: 8 graduate students	
Instructor, Fundamentals of Genetics, Michigan State University	2018, 2019
• Enrollment: 190 undergraduate students	
Instructor, First Year Seminar: Half the Sky: Gender Equity, Society and You, University of CA, Davis	2014
• Enrollment: 15 undergraduate students	
Instructor, Graduate seminar: Conservation of extremely small populations, University of CA, Davis	2011
• Enrollment: 12 graduate students	
Invited Lectures:	
• Genomics to improve our ability to conserve imperiled fishes. Maine Ecology Class Michigan State University, East Lansing, MI	2018
• Understanding the genomics of plasticity. Ecology and Evolution Graduate Student Core Course Cornell University, Ithaca, NY	2015
• Studying respiration and metabolism in fishes. Stream Ecology Lab. Cornell University, Ithaca, NY	2015
• Restoring the San Joaquin River's salmon populations. Introduction to Fisheries Science, American River College, Sacramento, CA	2012
• Restoring the San Joaquin River's salmon populations. Introduction to the Marine Environment, American River College, Sacramento, CA	2012
• Cnidarians. Introduction to the Marine Environment, American River College, Sacramento, CA	2009
Teaching Assistant, Introductory Biology (BIS 1B), University of CA, Davis	2005-2006
• Independently taught two laboratory class sections of 30 students each	
CA Subject Exam for Teachers Prep Class Instructor, San Diego County School Dist., CA	2003-2004
• Taught Multiple Subjects Science preparatory class for elementary school teachers about to take the state required California Subject Examination for Teachers	
Elementary Science Teacher, San Diego State University, San Diego, CA	2003-2004
• Developed and taught inquiry-based science lessons in San Diego County, CA	

MENTORING

Mentor/Supervise:	
Nadya Mamoozadeh, Post-doctoral Scholar, MSU	2018-present
Sierra Kaszubinski, Masters student, MSU	2018-present
Torel Beard, Undergraduate student, MSU	2018-present
Sara Hugentobler, PhD student, MSU	2017-present
Miranda Wade, PhD student, MSU	2017-present
Charlene Tarsa, Research Technician, MSU	2017-present
Keith Shane, Undergraduate Honors Thesis, Cornell University	2015-2016
Ryan Lew, Masters student, University of California-Davis	2012-2015
Dissertation Committee member:	
Seth Smith, PhD, Dept of Fisheries and Wildlife, MSU	2019-present
Emily Dean, PhD, Dept of Fisheries and Wildlife, MSU	2019-present
Peiwin Li, PhD, Queens University	2018-present
Sean Griffin, PhD, Kellogg Biological Station, MSU	2017-present
Kevin McCormick, PhD, Dept. of Integrative Biology, MSU	2017-present

Contributions to the Profession

Handing Editor for *Conservation Science and Practice*

Vice President: Society for Conservation Biology Conservation Genetics Working Group

Genome Canada Research Oversight Committee member

Working group member:

International Union for Conservation of Nature (IUCN) North America Conservation Genetics Specialist Group, IUCN Species Survival Commission member, Inter-agency Ecological Program Genetic Project Work Team, San Joaquin River Restoration Program Subgroups: Genetics, Conservation Facility, and Reintroduction Monitoring

Meeting Organizer:

Coastwide Salmonid Genetics Meeting, University of CA, Davis. July 2012

Conservation of Extremely Small Populations Symposium, University of CA, Davis. February 2012

Society for Conservation Biology Meeting Abstract Review Committee. 2006

Workshop and Session Organizer:

Incorporating local adaptation into conservation: connecting science to practice, North American Congress for Conservation Biology, Toronto, Canada. July 2018

Risk and Reward: Learning from past failures and mistakes to achieve conservation success, International Congress for Conservation Biology, Montpellier, France. August 2015

Genetics and Molecular Techniques, Ecological Society of America Meeting, Baltimore, MD August 2015

The Power of Genetics to Advance Fisheries Science, California-Nevada Chapter of the American Fisheries Society Annual Meeting, Sacramento, CA. April 2014

Inside Peer-Review Workshop, University of CA, Davis. May 2012

Training Conservation Scientists and Practitioners for 21st Century Global Challenges, 4th International Ecosummit, Columbus, OH. Sept. 2012

How Filmmakers and Conservationists Connect People, Nature, and Climate, Society for Conservation Biology North American Congress for Conservation Biology, Oakland, CA. July 2012

Reviewer:

Journals: *Molecular Ecology*, *Molecular Ecology Resources*, *Conservation Letters*, *Conservation Genetics*, *Evolutionary Biology*, *Canadian Journal of Fisheries and Aquatic Sciences*, *PLoS ONE*, *Genome Biology and Evolution*, *Journal of Great Lakes Research*, *Heredity*, *Frontiers in Ecology and Evolution*

Proposals: NSF Division of Environmental Biology, Washington Sea Grant, North Pacific Research Board, Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative, Great Lakes Fishery Commission

Contributions to the University

Dept. of Integrative Biology Graduate Affairs Committee. Michigan State University. 2019-present

Dept. of Integrative Biology Diversity, Equity, and Inclusion Committee. Michigan State University. 2019-present

Dept. of Integrative Biology Code of Conduct committee. Michigan State University. 2018

Academic Federation Merit Review Committee. UC Davis. 2013-2014

Graduate Group in Ecology Awards Committee. UC Davis. 2008-2009

Graduate Group in Ecology Chair Search Committee. UC Davis. 2008-2009

Graduate Group in Ecology Admissions Committee. UC Davis. 2007

Graduate Student Association Student Representative. UC Davis. 2006-2007

College of Agriculture and Environmental Science Faculty Hiring Committee. UC Davis. 2006

Ecology Graduate Student Association Committee Chair. UC Davis. 2005-2006

Contributions to the Community

Student and Landowner Education and Watershed Stewardship Mentor, Davis, CA. 2007-2015

Hatchery tour for UC Davis chapter of Strategies for Ecology, Education, Diversity, and Sustainability, 2014

Save Our Watersheds Science Fair Judge. 2013

Davis Junior High School Global Warming Project, Davis, CA. 2007

Science Fair Judge - Brookfield Elementary School, Sacramento, CA. 2006

INVITED TALKS

Invited Seminars

- 2019 School for Environment and Sustainability, University of Michigan
Ecology, Evolutionary Biology, and Behavior Program, Michigan State University
School of Aquatic and Fisheries Sciences, University of Washington
- 2018 Department of Forestry and Natural Resources, Purdue University
Department of Ecology and Evolutionary Biology, University of Toronto
- 2017 Michigan Natural Features Inventory
Kellogg Biological Station, Michigan State University
Department of Biological Sciences, Western Michigan University
- 2016 Department of Integrative Biology, Michigan State University
EvoDay, Cornell University
- 2015 College of Forestry and Conservation, Montana State University
EvoGroup, Cornell University
Watershed, Fish, and Wildlife Program, USDA Forest Service
- 2009 Conservation Science Program, World Wildlife Fund

Invited Presentations at Scientific Meetings

- 2018 Symposium: Advancing conservation genetics and genomics: From discovery to application, American Association for the Advancement of Science, Austin, TX
- 2017 Symposium: Advances in Molecular Methods and their Impact on Management of the Great Lakes, International Association for Great Lakes Research, Detroit, MI
- 2016 Special Symposium: Communicating Genetics for Improved Conservation Action, North American Congress for Conservation Biology, Madison, WI

SELECT CONFERENCE PRESENTATIONS (from 41 total, * denotes mentee)

N. Mamoozadeh* and M. Meek. 2019. Integrating genomics into brook charr management in the Lake Superior basin. International Association for Great Lakes Research Annual Meeting. Brockport, NY. *Oral presentation*

N. Mamoozadeh* and M. Meek. 2018. Using genomics to investigate the relative influence of genetics and environment on population diversity and structure, hatchery impact, and life history strategy for brook charr in the Lake Superior basin. International Charr Symposium. Duluth, MN. *Poster presentation*

S. Hugentobler* and M. Meek. 2018. Coastwide Quantifying impacts of floodplain availability on Chinook salmon. Coastwide Salmonid Genetics Meeting. Mukilteo, WA. *Poster presentation*

M. Wade* and M. Meek. 2018. Population genomics of the rare desert plant, Mohave milkweed. Michigan State University Ecology, Evolutionary Biology, and Behavior Symposium. East Lansing, MI. *Poster presentation*

R. Fichman, P. Goertler, N. Ikemiyagi, and M. Meek. 2018. Growth variation in juvenile Chinook salmon (*Oncorhynchus tshawytscha*) of the Yolo Bypass. Interagency Ecological Program Annual Meeting. Folsom, CA. *Poster presentation*

K. Mertz, P. Goertler, J. Agundes, M. Meek, N. Ikemiyagi, and J. Hobbs. 2017. Is growth variability the culprit for mismatched length-at-date and genetic run assignments in the Yolo Bypass? Interagency Ecological Program Annual Meeting. Folsom, CA. *Poster presentation*

M. Meek, M. Hare, and C. Kraft. 2017. Understanding local adaptation in cold water fish to predict responses to climate change. Ecological Society of America Annual Meeting, Portland, OR *Oral presentation*

M. Meek, M. Baerwald, M. Stephens, A. Goodbla, M. Miller, K. Tomalty, and B. May. 2015. Protecting life history diversity: Using genomics to aid conservation of imperiled salmon. Ecological Society of America 100th Annual Meeting, Baltimore, MD *Oral presentation*

SELECT CONFERENCE PRESENTATIONS (from 41 total, * denotes mentee)

- M. Meek, A. Goodbla, M. Baerwald, M. Stephens, and B. May. 2014. Who's there? Genetic Tools Reveal Habitat-use by Juvenile Chinook Salmon in the Yolo Bypass. Bay-Delta Science Conference. Sacramento, CA *Oral presentation*
- M. Meek, M. Baerwald, M. Stephens, A. Goodbla, M. Miller, K. Tomalty, and B. May. 2014. Up and Running: Identifying and using run-type specific SNP markers for California's Central Valley Chinook salmon. American Fisheries Society Meeting, Quebec City, Canada *Oral presentation*
- M. Stephens, M. Meek, M. Baerwald, and B. May. 2014. Phylogenetic relationships and introgression patterns in a threatened species: Conservation genomics of California's native inland rainbow trout. American Fisheries Society Meeting, Quebec City, Canada *Oral presentation*
- M. Meek, M. Baerwald, M. Stephens, A. Goodbla, M. Miller, K. Tomalty, and B. May. 2014. Conservation genomics of Central Valley, CA Chinook salmon: RAD-seq reveals new patterns in diversity. American Genetics Association Meeting, Seattle, WA *Poster presentation*
- M. Baerwald, M. Meek, A. Goodbla, R. Nagarajan, K. Tomalty, B. May, K. Nichols, and M. Stephens. 2014. Epigenetic modifications are associated with propensity to migrate in rainbow trout. American Genetics Association Meeting, Seattle, WA *Oral presentation*
- R. Lew*, A. Finger, M. Baerwald, A. Goodbla, B. May, and M. Meek. 2014. Developing a SNP panel for genetic management of Delta smelt. Cal-Neva Chapter Meeting of American Fisheries Society, Sacramento, CA *Poster presentation*
- M. Meek, M. Baerwald, M. Stephens, A. Goodbla, M. Miller, K. Tomalty, and B. May. 2013. Higher density SNP mapping in Chinook salmon allows broad and fine-scale resolution of population differentiation. Evolution Meeting, Snowbird, UT. *Oral presentation*
- M. Meek, M. Stephens, M. Baerwald, K. Tomalty, A. Wong, B. May. 2012. Conservation genetics of Chinook salmon in the Central Valley, CA and implications for the reintroduction of a currently extinct population. Ecological Society of America 97th Annual Meeting, Portland, OR *Oral presentation*
- Meek, M., M. Stephens, M. Baerwald, K. Tomalty, K. Bork, B. May. 2012. The role of genetic management in species reintroductions: lessons learned from Chinook salmon in the San Joaquin River, California. Soc. for Conservation Biology, N. Am. Congress for Conservation Biology. Oakland, CA *Oral presentation*
- Tomalty, K., M. Stephens, N. Fanguie, M. Meek, B. May, and M. Baerwald. 2012. Transcriptome response to acute thermal stress in juvenile Chinook salmon. Plant and Animal Genome XX Conference, San Diego, CA *Poster presentation*
- Stephens, M., K. Bork, M. Baerwald, M. Meek, K. Tomalty, and B. May. 2012. The role of artificial propagation in restoring spring-run Chinook salmon to the upper San Joaquin. Salmonid Restoration Federation Conference, Davis, CA *Oral presentation*
- Meek, M., K. Bork, M. Baerwald, M. Stephens, K. Tomalty, and B. May. 2011. Hatchery and genetic management of salmon reintroduction in the San Joaquin River, CA. American Fisheries Society Annual Meeting, Seattle, WA *Oral presentation*
- Meek, M., A. Wintzer, and B. May. 2009. To Clone or Not to Clone? Genetic analyses of clonal diversity and sexual reproduction in an invasive hydrozoan jelly in the San Francisco Estuary. Coastal and Estuarine Research Federation Biennial Conference, Portland, OR *Oral presentation*
- Wintzer, A., M. Meek, P. Moyle, and B. May. 2008. The Secret Lives of Polyps: Ecological insights into the benthic stage of non-native jellyfish in the San Francisco Estuary. CALFED Science Conference, Sacramento, CA *Oral presentation*

PROFESSIONAL DEVELOPMENT

Storytelling, Intermedia Communications Training, The Leopold Center, Baraboo, WI	2018
Smith Fellows Implicit Bias Training, The Leopold Center, Baraboo, WI	2018
Smith Fellows Facilitation Training, Dovetail Consulting Group, Detroit, MI	2017
Media Expertise, Intermedia Communications Training, Arlington, VA	2016
Smith Fellows Policy and Government Training, Washington, DC	2016
Smith Fellows Diversity in Conservation Workshop, Boulder, CO	2016
Smith Fellows Leadership Training, Raquette Lake, NY	2016
Cornell University Center for Teaching Excellence Professional Development workshops:	
• Course Design: Integrated Course Design	2016
• Teaching Research Skills: Enhance Students' Research Skills Using Library Resources	2016
• Course Design: Creating a Learning-centered Syllabus	2015
• Course Design: Designing Learning Outcomes for Your Course	2015

PROFESSIONAL AFFILIATIONS

Society for Conservation Biology-Lifetime Member
Ecological Society of America
American Fisheries Society