

# Mariah H. Meek

Department of Integrative Biology  
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## PROFESSIONAL APPOINTMENTS

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Assistant Professor, Department 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, Dept. of Animal Science, University of California, Davis	2013-2015
Post-doctoral Researcher, Dept. of Animal Science, University of California, Davis	2010-2013
Environmental Scientist, Windward Environmental, Seattle, WA	2001-2003

## EDUCATION

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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, University of Washington, Seattle, WA Honors College, Majors: Biology and Zoology, Minor: Fisheries	2000

## HONORS

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- 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

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2018

<b>BEACON – NSF Center for the Study of Evolution in Action.</b> Co-Principal Investigator Salmon Run: An evolutionary ecology educational game	\$33,800
<b>US Fish and Wildlife Service</b> Great Lakes Restoration Initiative. Principal Investigator Population genetic analysis of Lake Superior basin brook trout	\$149,550
<b>California Dept. of Fish and Wildlife.</b> co-Principal Investigator Development of SHERLOCK technology for Chinook salmon run-typing	\$497,905

2017

<b>USGS Climate Science Center.</b> Principal Investigator Population genetic analysis of Lake Superior basin brook trout	\$44,928
<b>US Fish and Wildlife Service</b> Great Lakes Restoration Initiative. Principal Investigator Population genetic analysis of Lake Superior basin brook trout	\$94,990
<b>California Dept. of Water Resources.</b> Principal Investigator Evaluation of floodplain rearing of Chinook salmon	\$25,461

2016

<b>National Fish and Wildlife Foundation Bring Back the Natives.</b> Principal Investigator Improving brook trout conservation by predicting responses to climate change	\$63,060
<b>California Dept. of Water Resources.</b> Principal Investigator Evaluation of floodplain rearing of Chinook salmon	\$188,374

RESEARCH GRANTS AND FELLOWSHIPS

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2015	
<b>Society for Conservation Biology David H. Smith Fellowship</b>	\$222,096
<b>Cornell Atkinson Center for a Sustainable Future.</b> Principal Investigator	\$20,052
Improving cold-water fish conservation by predicting responses to climate change with genomic profiling	
2011-2013	
<b>UC Davis Center for Watershed Sciences.</b> Principal Investigator	\$10,408
Understanding population structure of Fall River rainbow trout	
<b>CALFED Ecosystem Restoration Program Grant.</b> co-Principal Investigator	\$878,020
Evaluation of floodplain rearing and migration in the Yolo Bypass	
<b>Fundraising for Symposium on the Conservation of Extremely Small Populations</b>	\$5,830
2006-2007	
<b>NOAA Dr. Nancy Foster Scholarship</b>	\$128,000
<b>CALFED Science Program Grant.</b> 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	
<b>Genetic Resources Conservation Program.</b> Principal writer (PI: May, B.)	\$3,600
<b>UC Davis Biological Invasions IGERT Short-term Fellowship</b>	\$500
<b>UC Davis Jastro Shields Scholarship</b>	\$500
2004-2005	
<b>San Diego State University Doctoral Research Grant</b>	\$2,000
<b>Achievement Rewards for College Scientists (ARCS) Foundation Grant</b>	\$15,000
<b>University of California Bodega Marine Laboratory Travel Grant</b>	\$553
<b>Rancho Santa Fe Garden Club Scholarship</b>	\$1,500

PEER REVIEWED PUBLICATIONS

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- Meek, M. M. Stephens, A. Goodbla, B. May, and M. Baerwald. Identifying hidden population structure and genomic diversity in Chinook salmon, a migratory species with a history of anthropogenic influence. In revision at *Evolutionary Applications*.
- Wetzel W. and M. Meek. Physical defenses and herbivory vary more within plants than among plants in the tropical understory shrub *Piper polytrichum*. In review at *Botany*.
- Meek, M. and W. Larson. The future is now: amplicon sequencing and sequence capture usher in the conservation genomics era. In review at *Molecular Ecology Resources*.
- 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).
- 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](https://doi.org/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. Fanguie, 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.
- 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*.

## PEER REVIEWED PUBLICATIONS

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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

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Josephson, D.C., K.J. Jurka, T. Daniel, **M. Meek**, and C.E. Kraft. 2015. Fishery research and management report for 2014. Prepared for Wilmurt Club. Adirondack Fisheries Research Program. 23 p.

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. 73pp. \*Senior author

Meek, M., M. Stephens, M. Baerwald, K. Tomalty, and B. May. 2012. San Joaquin River steelhead genetic considerations. 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. San Joaquin River 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. San Joaquin River Restoration Program. figshare. 124 pp.  
<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

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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-survi\\_b\\_9406796.html](http://www.huffingtonpost.com/tim-ward/can-trout-evolve-to-survi_b_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

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Instructor, Fundamentals of Genetics, Michigan State University	2018
• 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	

## TEACHING

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### Invited Lectures:

- Genomics to improve our ability to conserve imperiled fishes. Maine Ecology Class 2018  
Michigan State University, East Lansing, MI
- Understanding the genomics of plasticity. Ecology and Evolution Graduate Student Core Course 2015  
Cornell University, Ithaca, NY
- 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, 2012  
American River College, Sacramento, CA
- Restoring the San Joaquin River's salmon populations. Introduction to the Marine Environment, 2012  
American River College, Sacramento, CA
- 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 elementary schools through the Partnerships Involving the Scientific Community and Elementary Schools program

## MENTORING

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### Mentor/Supervise:

- Nadya Mamoozadeh, Post-doctoral Scholar, Michigan State University 2018-present
- Sierra Kaszubinski, Masters student, Michigan State University 2018-present
- Torel Beard, Undergraduate student, Michigan State University 2018-present
- Sara Hugentobler, PhD student, Michigan State University 2017-present
- Miranda Wade, Masters student, Michigan State University 2017-present
- Charlene Tarsa, Research Technician, Michigan State University 2017-present
- Ryan Lew, Masters student, University of California-Davis 2012-2015
- Keith Shane, Undergraduate Honors Thesis, Cornell University 2015-2016

### Dissertation Committee member:

- Sean Griffin, Michigan State University 2017-present
- Kevin McCormick, Michigan State University 2017-present

### Contributions to the Profession

#### Reviewer:

Journals: Molecular Ecology, Molecular Ecology Resources, Conservation Letters, Conservation Genetics, Evolutionary Biology, Canadian Journal of Fisheries and Aquatic Sciences, PLoS ONE, Proceedings of the Biological Society of Washington, The Open Fish Journal, Heredity

Proposals: NSF Division of Environmental Biology Evolutionary Genetics, Washington Sea Grant, North Pacific Research Board, Arctic-Yukon-Kuskokwim Sustainable Salmon Initiative

#### Working group member:

International Union for Conservation of Nature (IUCN) North America Conservation Genetics Specialist Group, California Salmonid Conservation Think Tank, Inter-agency Ecological Program Salmonid Genetic Project Work Team, Inter-agency Ecological Program Yolo Bypass Project Work Team, San Joaquin River Restoration Program Subgroups: Genetics, Conservation Facility, and Reintroduction Monitoring

Vice President: Society for Conservation Biology Conservation Genetics Working Group

Genome Canada Research Oversight Committee member

#### 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 Annual 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

### Contributions to the University

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

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

Student rep. "Exploring New Opportunities for Educating Conservation Professionals" workshop. UC Davis. 2010

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

Ecology Graduate Student Association Retreat Planning Committee. UC Davis. 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 SEMINARS

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- Genomics to the rescue--Improving our ability to conserve imperiled fishes 2018  
Symposium: Advancing conservation genetics and genomics: From discovery to application  
American Association for the Advancement of Science, Austin, TX
- Studying population genomics to address problems in conservation and management 2017  
Michigan Natural Features Inventory, Lansing, MI
- The power of using genomics to address problems in conservation 2017  
Kellogg Biological Station, Michigan State University, Hickory Corners, MI
- Genomics to the rescue—improving conservation of imperiled fishes 2017  
Symposium: Advances in Molecular Methods and their Impact on Management of the Great Lakes, International  
Association for Great Lakes Research, Detroit, MI
- Genomics to the rescue—protecting life history diversity in imperiled fish 2017  
Dept. of Biological Sciences Seminar, Western Michigan University, Kalamazoo, MI
- Genomics to the rescue—protecting life history diversity in imperiled fish 2016  
Special Symposium: Communicating Genetics for Improved Conservation Action, North American Congress for  
Conservation Biology, Madison, WI
- Unnatural selection and genetic drift: fish population genomics in human dominated ecosystems 2016  
Integrative Biology Departmental Seminar, Michigan State University, East Lansing, MI
- Genomics to the rescue—improving conservation of imperiled fish populations 2016  
EvoDay, Cornell University, Ithaca, NY
- Protecting life history diversity: Using genomics to aid conservation of imperiled fishes 2015  
College of Forestry and Conservation Departmental Seminar, Montana State University, Missoula, M
- Using genomics to aid conservation of imperiled fish—Chinook salmon and brook trout case studies 2015  
Watershed, Fish, and Wildlife Program, USDA Forest Service, Washington D.C.
- Protecting life history diversity: Using genomics to aid conservation of imperiled salmon 2015  
Evo-Group, Cornell University, Ithaca, NY
- Rise of the slime—why it is important to care about jellies 2009  
World Wildlife Fund, Conservation Science Program meeting, Washington, D.C

## SELECT CONFERENCE PRESENTATIONS (from 40 total)

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- 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*

SELECT CONFERENCE PRESENTATIONS (from 40 total)

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- 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 100<sup>th</sup> Annual Meeting, Baltimore, MD *Oral presentation*
- M. Meek, C. Kraft, M. Hare, and N. Gillespie. 2015. Conserving brook trout populations by evaluating local adaptation to thermal stress. Adirondack Research Forum. Old Forge, NY *Oral presentation*
- 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 97<sup>th</sup> 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*



## SELECT CONFERENCE PRESENTATIONS (from 40 total)

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Tomalty, K., M. Stephens, N. Fangue, 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, N. Elen, B. May, and P. Moyle. 2010. Genetic diversity and population dynamics of *Moerisia* sp., an invasive hydromedusa in the San Francisco Estuary. Ecological Society of America Annual Meeting, Pittsburgh, PA *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

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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

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Society for Conservation Biology-Lifetime Member  
Ecological Society of America