

# Michelle E.H. Fournet

## *Curriculum Vitae*

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## EDUCATION

PhD, Wildlife Science, Oregon State University, Department of Fisheries and Wildlife Dissertation Title: "Humpback whale ( <i>Megaptera novaeangliae</i> ) calling behavior in Southeast Alaska: a study in acoustic ecology and noise"	2018
MS, Marine Resource Management, Oregon State University, College of Earth Ocean and Atmospheric Sciences Thesis: "Social calling behavior of Southeast Alaskan humpback whales: classification and context"	2014
Post-Baccalaureate (coursework only), Biology & Anthropology University of Alaska Southeast	2011
BFA, Theatre Arts Boston University, College of Fine Arts	2006

## PROFESSIONAL RESEARCH EXPERIENCE

### **Cornell University (CU) Lab of Ornithology, Bioacoustics Research Program**

Postdoctoral Research Associate

08/2018-Present

- Participate, coordinate, and provide advice on projects related to the impacts of human activities on protected species and their critical habitats in the Everglades National Park
- Plan, conduct studies, investigations, and tests concerning ecological, biological, and behavioral processes that affect wildlife resources in sub-tropical ecosystems
- Analyze and summarize environmental data from long term monitoring stations and long term bioacoustics deployments (biological indicators), including measuring habitat use and selection by estuarine fishes
- Design and conduct field studies that assess the tolerance of estuarine fishes to environmental stressors
- Use bioacoustics to investigate marine organism behavior including trophic interactions and ecosystem health
- Independently and collaboratively prepares reports to federal agencies and peer reviewed papers
- Design and deliver public engagement and outreach activities
- Mentor undergraduate students in lab and field settings
- **Field work:** *Florida Bay, Everglades National Park, Florida:* Hydrophone deployment and data retrieval (10 instruments recovered, serviced, and redeployed, 15+ day cruises). Behavioral ecology field experiments for estuarine fishes and associated predators. *Frederick Sound, Southeast Alaska:* Behavioral and acoustic array data collection, conspecific playback experiments for humpback whales (45 day field season)

### **Sound Science Research Collective**

Director

04/2018-Present

- Plan, conducts studies, investigations, and tests concerning ecological, biological, and behavioral processes that affect wildlife resources in sub-Arctic ecosystems
- Recruit, train, and mentor students, with an emphasis on underrepresented groups
- Develop workshops and capacity building strategies for community engagement in science
- Fundraising, grant writing, and public engagement
- **Field work:** *Frederick Sound, Southeast Alaska:* Behavioral and acoustic array data collection, conspecific playback experiments for humpback whales (45 day field season)

#### **NOAA/OSU- Cooperative Institute of Marine Resource Studies (CIMRS)**

Graduate Research Assistant

09/2013-05/2018

- Participated, coordinated, and provided advice on projects related to the impacts of human activities on protected species and their critical habitats in the Alaskan North Pacific Ocean
- Collected, synthesized, evaluated and presented scientific data to develop and implement plans and actions related to the threat of increasing anthropogenic noise on marine mammal species in a protected wilderness area
- Led multi-year marine mammal acoustic ecology project in Glacier Bay National Park, including management of a 5-person crew, field sampling, project logistics, financial management/budgets, federal permitting, field management, study design, data collection and analysis
- Designed and administered ecological studies in Oregon's coastal ocean, including survey design (line transect design), visual and acoustic sampling, observer field training, crew management, and data management
- Processed and analyzed long-term acoustic data sets (Alaskan Arctic, Alaskan sub-Arctic), including technical report writing, statistical modeling, and acoustic analysis. Primary taxa of interest beluga whales, bowhead whales, ribbon and bearded seals
- Designed and delivered public engagement and outreach activities throughout Oregon
- Traveled for hydroacoustic instrument deployments and recoveries as needed (Pacific Ocean, Southeast Alaska, Ross Sea)
- Managed ~\$110,000 of a ~\$300,000 budget ; included purchasing, travel, and research spending
- **Field work:** *Glacier Bay National Park, Southeast Alaska:* humpback whale and harbor seals photo identification, acoustic, behavioral field work (2 instrument deployment cruises, 2 instrument recovery cruises, 2 summer field seasons, 9+ months total in field), *Oregon Coast:* marine mammal transect cruises (odontocete, baleen whales, pinnipeds, 10+ day cruises), *Antarctic Ross Sea:* instrument recovery cruise (2 months at sea)

#### **Alaska Whale Foundation (AWF)**

Research Associate

04/2011-Present

- Led a field team through a multi-year study examining humpback whale communication and social behavior
- Maintained a remote field station from a lighthouse in Southeast Alaska
- Developed and implemented a streamlined sampling protocol to be used in for long term data collection, including line transect surveys, spatial surveys, and behavioral surveys
- Processed and analyzed behavioral, spatial, and acoustic data, included statistical modeling
- Developed and implemented an undergraduate field internship program
- Mentored 15 undergraduate interns in the field
- Participated in fluke ID research cruises throughout Southeast Alaska, including small boat handling
- Conducted literature reviews on marine species and their threats; and presented scientific and technical data to regional managers and stakeholders
- Raised over \$35,000 in a single year through assorted fundraising campaigns
- **Field work:** *Frederick Sound, Southeast Alaska:* humpback whale, harbor seals, Dalls/harbor porpoise, killer whale acoustic/behavioral field work (2 summer field seasons, 5+ months total in field), *Frederick Sound/Chatham Strait:* humpback whale fluke ID cruises (2 field cruises, 1 month at sea)

### **Southeast Alaska Citizen Science Initiative**

Research Technician

05/2010- 09/2011

- Helped develop and implement a Citizen Scientist data collection and photo identification program
- Documented distribution of Juneau area humpback whales from daily tour vessels
- Collected line transect data for cetaceans and pinnipeds
- Formatted data and photographs for use within the statewide humpback whale database
- **Field work:** *Juneau, Southeast Alaska*: concurrent marine mammal photo ID (humpback whale, killer whale, pinnipeds) with tour vessel schedule (100+ day-cruises)

### **Hawaii Whale Research Foundation**

Research Intern

02/2010-04/2010

- Collected and processed data pertinent to humpback whale mating behavior in Hawaiian waters
- Duties included: Fluke photography and identification, behavior documentation, photo processing, data entry and analysis, boat handling
- **Field work:** *Lahaina, Hawaii*: humpback whale fluke ID cruises (15+ day-cruises)

## **PUBLICATIONS**

### **Published**

Haver, SM, Fournet, MEH, Dziak RP, Gabriele, CM, Gedamke J, Hatch, LT, Haxel, J, Heppell, SA, McKenna, MA, Mellinger, DK, and SM Van Parijs. (2019). Comparing the Underwater Soundscapes of Four U.S. National Parks and Marine Sanctuaries. *Frontiers in Marine Ecology*. 6: 500

Fournet, MEH, Stabenau, E, and AN Rice. (2019). Relationship between salinity and sonic fish advertisement behavior in a managed sub-tropical estuary: making the case for an acoustic indicator species. *Ecological Indicators*. 6:105331

\*Barlow, D, \*Fournet , M, and F. Sharpe. (2019). Incorporating tides into the acoustic ecology of humpback whales. *Marine Mammal Science*. 35 (1), 234-251. DOI:10.1111/mms.12534 <sup>\*authors contributed equally</sup>

Fournet, MEH, Matthews, LP, Gabriele, CM, Haver, S, Mellinger, DK and H Klinck. (2018). Humpback whales (*Megaptera novaeangliae*) alter calling behavior in response to natural and manmade sounds. *Marine Ecology Progress Series*. 607: 251- 268. DOI:10.3354/meps12784

Fournet, MEH, Jacobsen L, Gabriele CM, Mellinger DK, and H Klinck. (2018) More of the same: allopatric humpback whale populations share acoustic repertoire. *PeerJ*:e5365 DOI: 10.7717/peerj.5365

Fournet, MEH, Gabriele CM, \*Culp, DC, Mellinger, DK, Sharpe, F, and H Klinck. (2018) Some things never change: multi-decadal stability in humpback whale calling repertoire on Southeast Alaskan foraging grounds. *Scientific Reports*. DOI:10.1038/s41598-018-31527-x

Fournet, MEH, Matthews, LP, Gabriele , CM, Mellinger, DK, and H Klinck. (2018). Source Levels of foraging humpback whale calls. *Journal of the Acoustical Society of America, Express Letters*. 143(3) EL105-EL111.

Fournet, MEH, Gabriele, CM, Sharpe, F, Straley, J, and AS Szabo. (2018). Feeding calls produced by solitary humpback whales (*Megaptera novaeangliae*). *Marine Mammal Science*. 34(3):851-865.

Matthews, LP, Parks, S, Fournet, MEH, Gabriele, CS, Womble, J, and H Klinck. (2017). Source levels and call parameters of harbor seal breeding vocalizations near a terrestrial haulout site in Glacier Bay National Park and Preserve. *Journal of the Acoustical Society of America, Express Letters*. EL274-EL280.

Gabriele, CS, Fournet, MEH, and LP Matthews. (2016). Whales, Seals, and Vessels: Investigating the Acoustic Ecology of Underwater Glacier Bay. *Alaska Parks Science* 15(1), 61-67.

Fournet, MEH, Szabo, AS, and DK Mellinger. (2015). Repertoire and classification of non-song calls in Southeast Alaskan humpback whales (*Megaptera novaeangliae*). *Journal of the Acoustical Society of America*. 137(1), 1-11

\*Supervised undergraduate thesis students

### **CONFERENCE PRESENTATIONS**

Fournet, MEH, Stabenau, E, and A Rice. (2019). Hydrology drives fish calling behavior in Florida Bay: the potential for an ecosystem indicator. Greater Everglades Ecological Restoration Conference. Coral Springs, FL.

Fournet, MEH, Matthews, LP, Gabriele CM, Mellinger, DK, and H Klinck. (2018). Southeast Alaska humpback whales alter calling behavior in higher natural or manmade ambient noise. The Wildlife Society, Oregon Chapter, Portland, OR.

Fournet, MEH, Matthews, LP, Gabriele CM, Mellinger, DK, and H Klinck. (2017). Southeast Alaska humpback whales increase non-song source levels in higher natural or manmade ambient noise. Society for Marine Mammalogy, Halifax, Nova Scotia.

Fournet, MEH, Matthews, LP, Gabriele, CM, Mellinger, DK, and H Klinck. (2017). Revisiting source levels in Southeast Alaskan humpback whales (*Megaptera novaeangliae*). Society for Marine Mammalogy Northwest Student Chapter, Vancouver, BC.

Fournet, MEH, and AS Szabo. (2016). Feeding calls in solitary humpback whales. Society for Marine Mammalogy Northwest Student Chapter, Seattle, WA.

\*Culp, DC, Fournet, MEH, (2016). Aerial sound production in Southeast Alaskan humpback whales. Society for Marine Mammalogy Northwest Student Chapter, Seattle, WA.

\*William, L, Gabriele, CM, Fournet, MEH, (2016). Behaviorally driven space use in Glacier Bay National Park. Society for Marine Mammalogy Northwest Student Chapter, Seattle, WA.

Fournet, MEH. (2016). Some things never change: humpback whales do more than sing. Society for Northwest Vertebrate Biology, Coeur D'Alene, ID.

Fournet, MEH, Gabriele CM, Culp, DC, Sharpe, F, Mellinger, DK, and H Klinck. (2015). Temporal stability of humpback whale (*Megaptera novaeangliae*) non-song vocalizations at the decadal scale. Society for Marine Mammalogy, San Francisco, CA.

\*William, L, Gabriele, CM, Fournet, MEF. (2016). Humpback whale foraging hotspots in Glacier Bay National Park. *Research Advances in Fisheries and Wildlife*, Corvallis, OR

Fournet, MEH, Szabo, AS, and DK Mellinger. (2014). Social calling behavior in Southeast Alaskan humpback whales (*Megaptera novaeangliae*): Communication and context. *Acoustical Society of America*, Indianapolis, IN.

Fournet, MEH. (2014). Student and Post-Doctoral Affairs Panelist (invited), “Developing a Professional Web Presence”. Society for Integrative and Comparative Biology, Austin, TX.

Fournet, MEH, Szabo, AS, and DK Mellinger. (2014). Contextualizing humpback whale vocal behavior: does spacing matter? Research Advances in Fisheries and Wildlife, Corvallis, OR

Fournet, MEH, and AS Szabo. (2013). Social calling repertoire of Southeast Alaskan humpback whales (*Megaptera novaeangliae*). Acoustical Society of America, San Francisco, CA.

Fournet, MEH, and AS Szabo. (2013). Vocal behavior of Southeast Alaskan humpback whales (*Megaptera novaeangliae*): classification and context. Society for Marine Mammalogy Northwest Student Chapter, Seattle, WA.

Fournet, MEH. (2012). The impact of vessel noise on humpback whale communication and social behavior. Society for Marine Mammalogy Northwest Student Chapter, Vancouver, BC.

#### **CONFERENCE POSTERS**

Fournet, MEH, Matthews, LP, Gabriele, CM, Mellinger, DK, and H Klinck. (2016). Source levels and calling rates in Southeast Alaskan humpback whales (*Megaptera novaeangliae*). Acoustical Society of America, Honolulu, HI.

Fournet, MEH. (2014). Humpback whale social call repertoire in Southeast Alaska. Society for Integrative and Comparative Biology, Austin, TX.

#### **GRANTS**

2017 Templeton Foundation, Diverse Intelligences Grant (Co-Investigator, \$293,00)  
2016 American Museum of Natural History, Lerner Gray Marine Research Grant (\$1,000)  
2015 Merlin Foundation Research Grant (\$10,500)  
2015 National Park Foundation Alaska Coastal Marine Grant (project participant; \$275,709)  
2013 OSU Graduate Student Advisory Committee Grant (\$350)  
2012 OSU Graduate Student Advisory Committee Grant (\$400)  
2012 American Cetacean Society Grants-In-Aid of Research (\$500)

#### **SCHOLARSHIPS/FELLOWSHIPS**

2017 OSU Graduate School Travel Award for Excellence in Research (\$1,500)  
2017 Mamie Markham Research Fellowship (\$9,000)  
2017 The Wildlife Society: Oregon Chapter Advanced Graduate Student Scholarship (\$500)  
2016 Thomas G. Scott Scholarship for PhD Student Excellence (\$2,000)  
2016 Oregon Lottery Merit Scholarship (\$2,250),  
2016 Munson Travel Scholarship (\$700)  
2015 Coombs-Simpson Memorial Fellowship (\$500)  
2014 Munson Travel Scholarship (\$500)  
2013 Oregon Sea Grant Robert E. Malouf Marine Science Fellowship (\$10,800)  
2012 Joan Crebbin Memorial Fellowship (\$3,000)

#### **ACADEMIC AWARDS**

- 2018 Savery Outstanding Doctoral Student Award for Excellent in Natural Resources Research
- 2018 Hatfield Marine Science Center Outstanding PhD Student Research Award
- 2017 OSU Chairmen's Leadership Award
- 2016 OSU Fisheries and Wildlife Shining Star Award for Service and Teaching
- 2015 OSU Fisheries and Wildlife Bruce Coblentz Teaching Assistant Award
- 2014 Hatfield Marine Science Center Student Teaching Award
- 2013 Hatfield Marine Science Center Student Teaching Award

**CONFERENCE AWARDS**

- 2018 Markham Symposium Outstanding Oral Presentation, Newport, OR: Best in Show
- 2017 Society for Marine Mammalogy Biennial Meeting, Halifax, Nova Scotia: Audience Favorite
- 2017 Society for Marine Mammalogy Northwest Student Chapter, Vancouver, BC: People's Choice
- 2016 Society for Marine Mammalogy Northwest Student Chapter, Seattle, WA: Best Oral Presentation
- 2016 Society for Marine Mammalogy Northwest Student Chapter, Seattle, WA: People's Choice
- 2016 Society for Northwest Vertebrate Biology, Coeur D'Alene, ID: Best Student Ignite Talk
- 2015 Society for Marine Mammalogy Biennial Meeting, San Francisco, CA: Best Oral Presentation, Doctoral
- 2014 Research Advances in Fisheries and Wildlife, Corvallis, OR: Best Oral Presentation, Ecology and Evolution
- 2013 Society for Marine Mammalogy Northwest Student Chapter, Seattle, WA. Oral presentation: Best Oral Presentation, Masters Student

**COLLABORATORS**

Holger Klinck (BRP), Aaron Rice (BRP), Christine Gabriele (NPS), David K. Mellinger (OSU), Erik Stabenau (NPS), Fred Sharpe (AWF), Brenda McCowen (UC Davis), Gail Davoren (U. Manitoba), Greg Silber (NOAA), Leanna Matthews (Sound Science Collective)

**PROFESSIONAL MEMBERSHIPS**

Acoustical Society of America, American Fisheries Society, Animal Behavior Society, Sigma Alpha Epsilon Graduate Women in Science, Society for Conservation Biology, Society for Marine Mammalogy, Society for Integrative and Comparative Biology, Society for Northwest Vertebrate Biology, The Wildlife Society

**REVIEWER**

Journal for the Acoustical Society of America, Endangered Species Research, Marine Mammal Science, Marine Biology, North Pacific Research Board, Journal of Comparative Psychology

**TEACHING EXPERIENCE**

Oregon State University, 2011-2018

Instructor of record

Marine Mammal Biology and Conservation (FW 302)	06/2018-07/2018
Mammalogy (FW 317)	01/2018-04/2018

Co-Instructor

Field Sampling (FW 255)	04/2016-06/2016
Introduction to Marine Life and the Sea (BI 111)	04/2014-05/2014
Introduction to Marine Biology (BI 150)	06/2013-09/2013

Graduate Teaching Assistant	
Field Sampling (FW 255)	04/2012-06/2017
General Biology, Ecology, Biodiversity, & Environmental Science (BI 101)	09/2013-12/2013
Introduction to Marine Mammals (BI 111)	05/2013
General Biology, Anatomy, Physiology, & Disease (BI 103)	04/2013-06/2013
National Ocean Science Bowl, 2011-2013	
Salmon Bowl Regional Coordinator	10/2011-04/2013

### **SUPERVISORY EXPERIENCE**

#### **MS Committee Member**

2018-Present	Mikala Epp (University of Manitoba) Thesis: "Acoustics ecology of Newfoundland humpback whales ( <i>Megaptera novaeangliae</i> ): repertoire and evidence of innateness"
2017-Present	Kali Horn (California Polytechnic State University) Thesis: "Are there predictable gradients in metabolic performance of the acorn barnacle ( <i>Balanus glandula</i> ) across the intertidal zone"

#### **Undergraduate Senior Thesis Advisor**

2018-Present	Josephine Schultz (University of Aberdeen) Thesis: "Social drivers of humpback whale calling behavior in Southeast Alaska"
2015-2017	Lucas Williams (OSU) Thesis: "Local scale space use on a humpback whale foraging ground"
	David Culp (OSU) Thesis: "Aerial sound production in Southeast Alaskan humpback whales"
2015-2016	Dawn Barlow (Pitzer College) Thesis: "Tidal context for acoustic behavior of Southeast Alaskan humpback whales"

#### **Undergraduate Research Advisor**

09/2018-Present	Anne Bartlett (CU)
07/2018-Present	Laurel Goodin (OSU)
	Melanie Smith (Tulane University)
09/2018-02/2019	Sophia Xian (CU)
06/2018-09/2018	Maggie Knight (Louisiana State University)
04/2016-08/2016	Morgan Kroeger (OSU)
	Amber Swicegood (OSU)
04/2015-09/2015	Kate Pospisl (OSU)
	Thomas Plank (OSU)
05/2012 – 09/2012	Katrina Nikolich (AWF)
	Alexa Millman (AWF)
	Courtney Jackson (AWF)
	Lisa Neyman (AWF)
	Meghan Atkinson (AWF)
	Venus Fung (AWF)
	Christina Jonsson-Hurtado (AWF)

06/2011-09/2011

Laura Bennett (AWF)  
Ryan Meeder (AWF)  
Nicole Chabaneix (AWF)  
Katherine Indeck (AWF)  
Norma Vasquez (AWF)  
Emma Johnson (AWF)  
Lindsay Neilson (AWF)  
Jennifer MacDougal (AWF)

**INVITED SEMINARS & GUEST LECTURES**

- 03/2019 Northeast Regional Environmental Acoustics Seminar: "PAM and the toadfish: an ecosystem based management love story" Ithaca, NY
- 10/2017 Academy of Lifelong Learning\*: "In the belly of the whale: history and research of industrialization and whales" Corvallis, OR
- 07/2017 NPS, Glacier Bay National Park Seminar: "Impact of anthropogenic noise on marine mammals in Glacier Bay" Gustavus, AK
- 06/2016 NPS, Glacier Bay National Park Seminar: "Acoustic ecology of marine mammals in Glacier Bay National Park" Gustavus, AK
- 03/2016 HMSC, Marine Mammal Seminar Series: "From form to function: the role of non-song calls in humpback whales" Newport, OR
- 02/2016 OSU, Engineering Department Marine Forum\*: "Acoustic ecology and the changing marine soundscape" Corvallis, OR
- 10/2014 W. New England University, Neural Systems\*: "Communication & complexity: humpback whales a case study" Baltimore, MA
- 03/2014 American Cetacean Society\*: "Songs, whistles, & shrieks: marine mammal communication on the Oregon Coast" Newport, OR
- 08/2013 HMSC, Marine Seminar Series\*: "Calling behavior of Southeast Alaskan humpback whales" Newport, OR
- 04/2013 OSU: Geography, Environmental Science, & Marine Resource Management\*: "An in depth look at whales, whaling, and research" Corvallis, OR
- 02/2013 Academy of Lifelong Learning\*: "The Rapunzel Project: researching whales from the historic Five Finger Light" Corvallis, OR

\*invited

**OUTREACH, ENGAGEMENT, and SERVICE**

- 09/2018-Present Nature Ecology and Evolution, blogger
- 04/2017-Present Meet the Ocean: Contributing Scientist (501c(3)), science communication and education non-profit
- 09/2015-2018 Juneau Lighthouse Association: Board Member (501c(3), non-profit)



05/2013-2018	Society for Marine Mammalogy: Northwest Chapter Student Representative
04/2013-04/2017	National Ocean Science Bowl: Science Judge (2013 & 2015), Moderator (2014), Keynote Speaker (2017)
09/2016-09-2017	OSU Fisheries and Wildlife Graduate Programs Committee
02/2016	OSU Department of Fisheries and Wildlife: Undergraduate sound analysis workshop
06/2015-2017	NPS 5 <sup>th</sup> Grade Podcast Series: Educator, Scientist & Curriculum Development
10/2014-03/2016	OSU Research Advances in Fisheries & Wildlife Symposium: Advertising, Program, and Outreach Committees
11/2014-04/2016	OSU Fisheries and Wildlife Undergraduate Mentor Program: Mentorship Coordinator and Co-Founder
01/2015-12/2015	Jewish Day School Science & Math Series: Invited Educator, 2015 K-8 <sup>th</sup> Grade Science Correspondent
04/2015	OSU, Fisheries and Wildlife Mentorship Program: Undergraduate proposal writing & funding workshop
02/2014	Science Palooza- Newport High School: Educator, Scientist
5/2013-9/2013	Alaska Whale Foundation Lecturer : Circuit lecturer, 10+ public lectures
08/2009- 04/2010	Alaska Discovery Southeast: Educational Naturalist – Elementary school
09/2009-12/2000	Marine Mammals in the Classroom- Juneau Public Schools: Educator – Elementary school

## **MEDIA**

2019	KBOO – Threshold Shift: featured interview “ <a href="#">International Womxn’s Day Special Feature</a> ”
2019	Scientific American: featured editorial “ <a href="#">Humpback Whale Calls Remain Constant over Decades</a> ”
2018	Discover Magazine: featured editorial “ <a href="#">Humpback Whale Calls Persist Across Generations</a> ”
2018	KBOO – Threshold Shift: featured interview “ <a href="#">Episode IV: Whales</a> ”
2018	Inverse Magazine: featured editorial “ <a href="#">New Whale Recordings Reveal Purpose of a Language, Unchanged Since 1976</a> ”
2018	Radio New Zealand – Nine to Noon: featured interview “ <a href="#">Shifting scales: Unlocking the mysteries of whale song</a> ”
2018	Meet the Ocean: podcast interview “ <a href="#">Episode 12: For the Love of Krill</a> ”
2017	Meet the Ocean: podcast interview “ <a href="#">Episode 8: Alaska Whale Foundation</a> ”
2016	NPS, Outside Science Inside Parks: short film “ <a href="#">Under Water Conversations in Glacier Bay National Park</a> ”
2016	Alaska Public Media/India Alaska: short film “ <a href="#">We are Marine Acousticians</a> ”
2016	National Geographic: article, “ <a href="#">Whales Speak: Breaking Down Language Barriers</a> ”
2016	Meet the Ocean: podcast interview “ <a href="#">Episode 4: Polar Diving and Weddell Seals</a> ”
2015	OSU Stories: article, “ <a href="#">Studying Social Sounds</a> ”
2014	Ocean Mysteries with Jeff Corwin, featured story “ <a href="#">Journey Across the Pacific</a> ”
2014	KRBV, Oregon State Radio, Magical Creature Feature: featured interview

2013 Terra Magazine: featured editorial "[Purrs, Moans, and Shrieks from the Deep](#)"  
2012 KRBV, Oregon State Radio, Inspiration Dissemination: featured interview

### **PROFESSIONAL DEVELOPMENT /TRAINING**

04/2017 Disability Access Service Training (OSU)  
03/2017 Social Justice Education Initiative (OSU)  
01/2015-04/2015 Teaching for the College Classroom (OSU)  
06/ 2014 SeaBASS: Marine Bioacoustics Summer School

### **MISCELLANEOUS FIELDWORK**

2019 Conspecific playbacks, testing call function in Southeast Alaskan humpback whales (6-weeks)  
2018 Humpback whale playbacks experiment pilot project (2-weeks)  
2018 Passive acoustic monitoring for Spotted Owls, Siuslaw National Forest, U.S. Forest Service  
2017 Humpback whale tagging and photo ID, Monterey Bay, California, Stanford University  
2017 Aerial (balloon based) soundscape monitoring experiment, Willamette Valley, Oregon, Cornell Lab of Ornithology, Bioacoustics Monitoring Program  
2016 Harbor porpoise specimen collection, Glacier Bay National Park, National Park Service  
2016 Humpback whale necropsy, Glacier Bay National Park, National Park Service  
2016 Passive acoustic monitoring for migratory Canadian Geese, Finley Wildlife Refuge, Oregon State University  
2015 Blue whale necropsy, Gold Beach, Oregon, Oregon Coast Stranding Network  
2015 Passive acoustic monitoring for Willamette Valley amphibians, Finley Wildlife Refuge, Oregon State University  
2014 Territorial playbacks, red-winged blackbirds, Finley Wildlife Refuge, Oregon State University  
2013 Harbor porpoise necropsy, Newport, Oregon, Oregon Coast Stranding Network

### **MISCELLANEOUS PROFESSIONAL EXPERIENCE**

2010 Sealaska Heritage Institute, Assistant Archivist  
2009 Capital City Weekly, Freelance Editor/analyst  
2009 KFSK Public Radio Alaska, Producer and DJ

### **ADDITIONAL SKILLS AND INTERESTS**

Programming Proficiency: R (preferred), Matlab, SPSS, JMP, ArcGIS 10x  
Acoustics Software Proficiency: Raven Pro, Ishmael, Osprey  
Statistics: GLMM and GAM modeling, statistical classification techniques (CART, DFA, PCA)  
Vessel Handling: Motorboat operator certified (MOCC), Proficient driving small (10'-25') vessels, comfortable crewing large (50'-200') ships. Proficient at line handling and basic seamanship  
Interests: Gardening, hiking, creative writing, scuba diving (PADI Advanced Open water)

### **REFERENCES**

Holger Klinck, PhD, Director  
Bioacoustics Research Program  
Cornell Lab of Ornithology, Ithaca, NY  
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Christine Gabriele, MS, Senior Researcher  
Humpback Whale Monitoring Program  
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Aaron Rice, PhD, Science Director  
Bioacoustics Research Program  
Cornell Lab of Ornithology, Ithaca, NY  
[Arice@cornell.edu](mailto:Arice@cornell.edu)  
607-254-2178

David K, Mellinger, PhD, Senior Researcher  
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