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PI, Integrated Marine Fisheries Lab [🔗](#)

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Department of Fisheries, Wildlife, and Conservation Sciences
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🎓 EDUCATION

PhD, Fisheries – UNIVERSITY of ALASKA FAIRBANKS (UAF) College of Fisheries and Ocean Sciences, Juneau Campus	2019
MS, Marine Science – MOSS LANDING MARINE LABORATORIES (MLML) Degree awarded by San José State University (SJSU)	2015
BS, Biology – SAN DIEGO STATE UNIVERSITY (SDSU) Emphasis: Marine Biology	2006

💼 PROFESSIONAL EXPERIENCE [2006 to Present]

OREGON STATE UNIVERSITY (OSU) Assistant Professor in Marine Fisheries	2023-P
SCIENTIFIC and STATISTICAL COMMITTEE (SSC), PACIFIC FISHERY MANAGEMENT COUNCIL Oregon Department of Fish and Wildlife Representative	2023-P
Groundfish Subcommittee, Co-chair; Member	2024-P; 2023
Ecosystem-based Management Subcommittee, Member	2023-P
Highly Migratory Species Subcommittee, Member	2023-P
ALASKA CLIMATE INTEGRATED MODELING (ACLIM) PROJECT GULF of ALASKA CLIMATE INTEGRATED MODELING (GOACLIM) PROJECT co-Lead Principal Investigator	2023-P
COOPERATIVE INSTITUTE for CLIMATE, OCEAN, and ECOSYSTEM STUDIES (CICOES) UNIVERSITY of WASHINGTON – Seattle, WA Research Scientist; Postdoctoral Scholar	2022-2023; 2020-2022
SCALE BACK CONSULTING, LLC – Anchorage, AK Principal Investigator	2020-2023
UNIVERSITY of ALASKA FAIRBANKS – Juneau, AK Research Assistant; Teaching Assistant	2015-2019; 2017
CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (CCFRP) – Moss Landing, CA Lead Scientist	2011-2014
Volunteer Coordinator	2010-2011
Science Crew	2010
CALIFORNIA SEA GRANT – San Diego, CA Extension Program Representative	2010-2014
SAN DIEGO OCEANS FOUNDATION (SDOF) – San Diego, CA Programs and Outreach Director	2008-2010
Marine Science Education Program Coordinator	2008
MWR: COMMANDER FLEET ACTIVITIES – Sasebo, Japan Head Lifeguard and Water Safety Instructor	2007-2008
Lifeguard	2006-2007

AWARDS AND HONORS

Chapter Service Award, Alaska Chapter of the American Fisheries Society	2023
Diversity and Inclusion Service Award, Western Division of the American Fisheries Society	2021
Top 10 Most Downloaded Papers ⁺ , Ecological Applications	2020
W.F. Thompson Award (Best Student Paper from 2018 [*]), American Institute of Fishery Biologists	2019
Dean's Recognition Award – Outstanding Graduate Student, UAF	2019
First Place – Student Talk [∞] , Western Groundfish Conference	2018
Second Place – Student Poster [†] , Western Groundfish Conference	2016
Mirth Award, Western Groundfish Conference	2016
First Place – Student Poster [§] , Monterey Bay National Marine Sanctuary Symposium	2013
Dean's List – Honors Recognition, SDSU	2004, 2006

Symbols correspond to items in 'PEER-REVIEW PUBLICATIONS' and 'PRESENTATIONS'

TRAVEL SUPPORT

PICES North Pacific Marine Science Organization	2024
Lowell Wakefield Fisheries Symposium	2015, 2019, 2024
Alaska Chapter of the American Fisheries Society	2015, 2017, 2018
Western Groundfish Conference	2012, 2014, 2016, 2018
Western Division of the American Fisheries Society	2017
CSU Council on Ocean Affairs, Science, and Technology	2014
International Flatfish Symposium	2014
Lucille and David Packard Foundation Research and Travel Grant	2013

SELECT GRANTS AND FELLOWSHIPS

Oregon Department of Fish and Wildlife, Marine Reserves Program – \$29,749	2025
Alaska Regional Office and Alaska Fisheries Science Center, NOAA (co-PI: JT Thorson) – \$122,995	2024
Magnuson-Stevens Act Implementation, NOAA Fisheries co-PIs: PD Spencer, JP Pirtle, M Szymkowiak – \$90,737	2024
Pacific Fishery Management Council [contract] – \$40,056	2024
Climate and Fisheries Adaptation (CAFA) Program, NOAA Fisheries Alaska Climate Integrated Modeling (ACLIM) Project – \$527,895 [Total: \$1,199,849] PIs: KK Holsman, KY Aydin, CS Szuwalski, SP Wise; Contributor: CL Barnes	2023
Gulf of Alaska Climate Integrated Modeling (GOACLIM) Project – \$230,126 [Total: \$1,199,366] PIs: MD Bryan, CR McGilliard, M Szymkowiak, CL Barnes, AE Punt, E Fulton, MW Dorn	2023
Alaska Regional Office, NOAA (co-PIs: J Pirtle, JT Thorson) – \$104,121	2023
Alaska Sea Grant Program Development Award (AK Chapter AFS) – \$8,850	2022
California Sea Grant Program Development Award (WSN) – \$4,000; \$9,999	2021; 2022
Magnuson-Stevens Act Implementation, NOAA (PIs: JT Thorson, JL Pirtle, TE Essington) – \$229,306	2020-2022
Northern Gulf of Alaska Applied Research Award – \$10,000	2018-2019
Rasmuson Fisheries Research Center Graduate Fellowship – \$78,901	2017-2019
Pollock Conservation Cooperative Research Center (PI: AH Beaudreau) – \$201,516	2015-2019
SJSU Associated Students Advocacy Award; Graduate Equity Fellowship – \$500; \$3,000	2014; 2013
Santa Monica Seafood's Responsible Sourcing Vendor Partner Grant (CCFRP) – \$15,000	2013-2014
Dr. Earl and Ethel Myers Oceanographic and Marine Biol. Trust Grant – \$1,500	2013
MLML Scholar Award (Michael Lee Environmental Foundation) – \$2,200	2013
CSU Council on Ocean Affairs, Science, and Technology Graduate Student Award – \$3,000	2013
California Sea Grant: Program Development Award (SDOF) – \$9,900	2010

PEER-REVIEWED PUBLICATIONS

Published, In Press, or Accepted




- Tulloch VJD, Murray C, Surma S, **Barnes CL**, Conn J, Holsman K, Martin T, Morzaria-Luna H, Reum JCP, and Berry K. Accepted. Applications of marine ecosystem models for Pacific salmon conservation and management in the Northeast Pacific. FACETS. Forthcoming.
- Rovellini A, Punt AE, Dorn MW, Kaplan IC, Bryan MD, Adams GD, Aydin KY, Baker MR, **Barnes CL**, Ferriss BE, Fulton EA, Haltuch MA, Hermann AJ, Holsman KK, McGilliard C, McHuron EA, Morzaria-Luna HM, and Surma S. 2025. Evaluating ecosystem caps on fishery yield in the context of climate stress and predation.  Ecol Appl. 35(3):eap70036.
- Goodman MC, Reum JCP, **Barnes CL**, Punt AE, Ianelli JN, McHuron EA, De Leo GA, and Holsman KK. 2024. Climate covariate choice and uncertainty in projecting species range shifts: a case study in the Eastern Bering Sea.  Fish and Fisheries. 26:219–239.
- Kerametsidis G, Thorson J, Rossi V, Álvarez-Berastegui D, **Barnes CL**, Certain G, Esteban A, García E, Jadaud A, Piñeiro S, Vivas M, and Hidalgo M. 2024. Cross-scale environmental impacts across persistent and dynamic aggregations within a complex population: implications for fisheries management.  Can J Fish Aquat Sci. 81(3):268–284.
- Thorson JT, **Barnes CL**, Friedman ST, Morano JL, and Siple MC. 2023. Spatially varying coefficients can improve parsimony and descriptive power for species distribution models.  Ecogr. e06510.
- Barnes CL**, Essington TE, Pirtle JP, Rooper CN, Laman EA, Holsman KK, Aydin KY, and Thorson JT. 2022. Climate-informed models benefit hindcasting but present challenges when forecasting species-habitat associations.  Ecogr. e06189.
- Brodie S, Smith JA, Muhling BA, Kaplan IC, Barnett LAK, Carroll G, Fiedler P, Bograd SJ, Hazen EL, Jacox MG, Andrews KS, **Barnes CL**, Crozier L, Fiechter J, Fredston A, Haltuch MA, Harvey CJ, Holmes E, Karp MA, Liu OR, Malick MJ, Buil MP, Richerson K, Rooper CN, Samhuri J, Seary R, Selden RL, Thompson AR, Thorson J, Tommasi D, Ward EJ, and Zabel R. 2022. Recommendations for quantifying and reducing uncertainty in projections of species distributions.  Glob Change Biol. 28:6586–6601.
- Dorn MW and **Barnes CL**. 2022. Time-varying predation as a modifier of constant natural mortality for Gulf of Alaska pollock.  VSI Natural Mortality. Fish Res. 254(2022):106291.
- Barnes CL**, Beaudreau AH, and Yamada RN. 2021. The role of size in trophic niche separation between two groundfish predators in Alaskan waters.  Mar Coast Fish. 13:98–113.
- Grüss A, Thorson JT, Stawitz CC, Reum JCP, Rohan SK, and **Barnes CL**. 2021. Synthesis of interannual variability in spatial demographic processes supports the strong influence of cold-pool extent on eastern Bering Sea walleye pollock (*Gadus chalcogrammus*).  Progr Ocean. 194(2021):102569.
- Barnes CL**⁺, Beaudreau AH, Dorn MW, Holsman KK, and Mueter FJ. 2020. Development of a predation index to assess trophic stability in the Gulf of Alaska.  Ecol Appl. 30(4):e02141.
- Barnes CL**^{*}, Beaudreau AH, Hunsicker ME, and Ciannelli L. 2018. Assessing the potential for competition between Pacific Halibut (*Hippoglossus stenolepis*) and Arrowtooth Flounder (*Atheresthes stomias*) in the Gulf of Alaska.  PLoS ONE. 13(12):e0209402.
- Barnes CL** and Starr RM. 2018. Reproductive tactics of California Halibut (*Paralichthys californicus*): combining spawning season, interspawning interval, and batch fecundity to estimate annual reproductive output for a multiple-batch spawning fish.  CalCOFI Rep. 59:102–114.
- Lesyna KM and **Barnes CL** (corresponding author). 2016. Assessment of length- and age-at-maturity for California Halibut (*Paralichthys californicus*), including a histologically-based description of the reproductive cycle.  Calif Fish Game. 102(3):79–99.

⁺Student / Mentee

Symbols correspond to items in 'AWARDS and HONORS'

PEER-REVIEWED PUBLICATIONS, CONT'D

Published, In Press, or Accepted

- Barnes CL**, Starr RM, and Reilly PN. 2015. Growth, mortality, and reproductive seasonality of California Halibut (*Paralichthys californicus*): a biogeographic approach.  CalCOFI Rep. 56:110–118.
- Starr RM, Wendt DE, **Barnes CL**, Marks CI, Malone D, Waltz G, Schmidt KT, Chiu J, Launer AL, Hall NC, and Yochum N. 2015. Variation in responses of fishes across multiple reserves within a network of marine protected areas in temperate waters.  PLoS ONE. 10(3):e0118502.
- Starr RM, Cortés J, **Barnes CL**, Green K, and Breedy O. 2012. Characterization of deepwater invertebrates at Isla del Coco National Park and La Gemelas Seamount, Costa Rica.  Int J Trop Biol. 60(3):303–319.

In Revision, In Review, or Submitted

- Smith M, Yeager M, JT Thorson, **Barnes CL**, and Pirtle JP. Submitted. Effects of temporal resolution on forecasting species distribution under varying conditions. Fish Fish. Forthcoming.

In Preparation

- Barnes CL**, Bargas MP[^], Vernon H, and Phillips T. In prep. [Re]defining stock structure to support groundfish stock management along the US West Coast.
- Siple M, Nielsen J, Harris J, Kimmel D, Eisner L, Mordy C, Pirtle J, Rogers L, Rohan S, Sullaway G, **Barnes CL**, et al. In prep. Assessing forage fish distributional shifts with lower trophic level dynamics.
- McGilliard C, Holsman KK, Bryan M, Szuwalski C, Punt AE, Reum JCP, Rovellini A, **Barnes CL**, Beese CM[^], et al. In prep. Towards multimodel inference for ecosystem-based fishery management.
- Gerson PE[^], **Barnes CL**, Thorson JT, Pirtle JP, Reum JCP, and Miller JA. In prep. Food for thought: using predators as samplers to quantify spatiotemporal variation in prey availability throughout the Gulf of Alaska.
- Galko I[^], **Barnes CL**, Spencer PD, Pirtle JP, Rovellini A, Smith M, Szymkowiak M, Williams B, and Hermann AJ. In prep. Risk and resilience: assessing climate vulnerability of important marine taxa in the Gulf of Alaska.
- Bargas MP[^] and **Barnes CL**. Freeze the ovaries, not the science: practical trade-offs for fish reproductive studies at broad spatial scales.
- Beese CM[^], **Barnes CL**, Reum JCP, McGilliard CR, Bryan MD, Rovellini A, Punt AE, Holsman KK, and Dorn MW. In prep. Blending ecological theory and simulation modeling to predict food web dynamics in an ever-changing marine ecosystem.
- Bargas MP[^], **Barnes CL**, Rasmuson LK, Cope JM, and Heppell SA. In prep. Biogeographic variation in black rockfish (*Sebastes melanops*) life history traits from the California Current to the Gulf of Alaska.
- Goodman M, **Barnes CL**, McHuron E, Ciannelli L, Haltuch M, Hermann A, Kearney K, Reum JCP, Holsman KK, et al. Dynamic ecoregion detection: a case study from the Bering Sea. Forthcoming.
- Barnes CL** and Rasmuson LK. In prep. Rockfish relocation: insights into movement, site fidelity, and population connectivity along the US West Coast.
- Wise S, Abolhassani A, Goodman M, Ferriss B, Green K, **Barnes CL**, Beaudreau AH, Kearney K, Stone S, Ortiz I, Holsman KK, et al. In prep. A call for community-centered modeling to promote climate-informed fisheries in Alaska.
- Holsman KK, **Barnes CL**, Sulc A, Laurel BJ, Thorson JT, and Hurst TP. In prep. Climate change and marine heatwaves induce declines in fish energetics and growth.
- Barnes CL**, Waltz GT, Hamilton SL, Ruttenberg BI, Starr RM, and Brooks RO. In prep. Synchrony as a measure of resilience for temperate groundfish communities.

[^]Student / Mentee

Symbols correspond to items in 'AWARDS and HONORS'

TECHNICAL REPORTS

Pacific Fishery Management Council

- Barnes C**, Free C, Punt A, Rovellini A, Schaffler J, and Tingley G. 2025. Supplemental review panel report for widow rockfish. [🔗](#) Pacific Fishery Management Council. Portland, OR. 14 pp.
- Barnes C**, Hicks A, Ono K, and Tingley G. 2025. Stock Assessment Review (STAR) Panel for chilipepper rockfish. [🔗](#) Pacific Fishery Management Council. Portland, OR. 75 pp.
- Barnes C**, Hicks A, Ono K, and Tingley G. 2025. Stock Assessment Review (STAR) Panel for quillback rockfish off California. [🔗](#) Pacific Fishery Management Council. Portland, OR. 43 pp.
- Pacific Fishery Management Council. 2025. Literature review of life history aspects of all 86 groundfish species managed by the Pacific Fishery Management Council. [🔗](#) Agenda Item H.6, Attachment 3. March 2025 Pacific Fishery Management Council Meeting. Portland, OR. 142 pp.
- Wetzel CR, Berger AM, **Barnes C**, Zahner JA, Tolimieri N, Ward EJ, and Head M. 2025. Status of sablefish (*Anoplopoma fimbria*) off the U.S. West Coast in 2025. [🔗](#) Pacific Fishery Management Council. Portland, OR. 287 pp.
- Barnes C**, Oken K, Sampson D, and Wetzel C. 2024. California halibut Stock Assessment Review (STAR) Panel report. [🔗](#) California Department of Fish and Wildlife. Sacramento, CA. 22 pp.
- Punt A, Tsou T-S, **Barnes C**, Melvin G, and Neilson J. 2024. Pacific sardine Stock Assessment Review (STAR) Panel meeting report. [🔗](#) Pacific Fishery Management Council. Portland, OR. 26 pp.
- Dick EJ, **Barnes C**, Coates J, Grunloh N, Monk M, and Rogers T. 2023. The status of black rockfish (*Sebastes melanops*) in U.S. waters off California in 2023. [🔗](#) Pacific Fishery Management Council. Portland, OR. 367 pp.

North Pacific Fishery Management Council

- Shotwell SK (ed), Ferriss B, Monnahan CC, Oke K, Rogers L, and Zador S. 2023. [Contributors: Abelman A, Adams G, Aydin K, Barbeaux S, **Barnes C**, et al.]. [Appendix 1A. Ecosystem and socioeconomic profile of the walleye pollock stock in the Gulf of Alaska – report card.](#) [🔗](#) In GOA walleye pollock SAFE rep. 1–31.
- Siddon E (ed). 2023. [Contributors: Abelman A, Adams G, Anderson DM, Andrews AG II, Aydin K, Barbeaux S, **Barnes C**, Barnett LAK, et al.]. [Ecosystem Status Report 2023: Eastern Bering Sea.](#) [🔗](#) North Pacific Fishery Management Council. Anchorage, AK. 241 pp.
- Shotwell SK, Monnahan CC, Dorn M, Deary AL, Ferriss B, Rogers L, and Zador S. 2022. [Contributors: Aydin K, Barbeaux S, **Barnes C**, et al.]. [Appendix 1A. Ecosystem and socioeconomic profile of the walleye pollock stock in the Gulf of Alaska – report card.](#) [🔗](#) In GOA walleye pollock SAFE rep. 97–126.
- Siddon E (ed). 2022. [Contributors: Abelman A, Adams G, Ahkinga O, Anderson D, Andrews A, Aydin K, Barbeaux S, **Barnes C**, Barnett L, et al.]. [Ecosystem Status Report 2022: Eastern Bering Sea.](#) [🔗](#) North Pacific Fishery Management Council. Anchorage, AK. 227 pp.
- Shotwell SK, Dorn M, Monnahan CC, Deary AL, Ferriss B, Fissel B, Rogers L, Tyrell A, and Zador S. 2021. [Contributors: Abelman A, Adams G, Aydin K, Barbeaux S, **Barnes C**, et al.]. [Appendix 1A. Ecosystem and socioeconomic profile of the walleye pollock stock in the Gulf of Alaska – report card.](#) [🔗](#) In GOA walleye pollock SAFE rep. 90–116.
- Siddon E (ed). 2021. [Contributors: Adams G, Anderson D, Andrews AG II, Aydin K, Barbeaux S, **Barnes C**, Barnett L, et al.]. [Ecosystem Status Report 2021: Eastern Bering Sea.](#) [🔗](#) North Pacific Fishery Management Council. Anchorage, AK. 249 pp.
- Shotwell SK, Dorn M, Monnahan CC, Ferriss B, Fissel B, Rogers L, and Zador S. 2020. [Contributors: Adams G, Aydin K, Barbeaux S, **Barnes C**, et al.]. [Appendix 1A. Ecosystem and socioeconomic profile of the walleye pollock stock in the Gulf of Alaska.](#) [🔗](#) In GOA walleye pollock SAFE rep. 104–135.
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MENTORSHIP

Research Assistants & Postdoctoral Scholars

J. Antus (2009)	I. Galko (2024-P)	Y. Pang (2024-P)	S. Robinson (2011)
C. Beese (2025-P)	H. Heath (2013-14)	K. Ros (2010)	A. Sloan (2014)

Graduate Students

M. Bargas ⁺ (MS, IP)	P. Gerson ⁺ (MS, IP)	M. Monneedy [°] (MS, 2024)	Z. Muniz ^ˆ (MS, IP)
G. Christie [°] (MS, W)	L. Horstmyer [°] (MS, IP)	I. Nyameke [°] (MS, IP)	
H. Delgado-Nordmann (MS, 2016)	G. Hunt (MS, 2015)	S. Stone [°] (PhD, IP)	

Undergraduate Students

M. Adams ^ˆ (2024)	A. Feck (2009)	E. Leugers ^ˆ (2025)	S. Saadat (2009-10)
A. Aines (2013)	J. Gardner (2025-P)	J. Li (2020-21)	P. Saengcharoentrakul (2020-21)
D. Anaya (2013)	A. Gile (2015)	V. Light ^ˆ (2024-25)	L. Sharrar (2025-P)
K. Askeland (2010)	N. Giraud (2009)	S. Link (2016)	N. Siababa (2014)
M. Bargas (2017)	C. Giordano (2014)	S. Lockwood ^ˆ (2024)	E. Stollmeyer (2013)
K. Beck (2014)	G. Godfrey ^ˆ (2024-25)	S. Lomonico (2014)	Q. van Swaay ^ˆ (2024-25)
E. Bjork (2008)	A. Hedger (2009)	M. MacGuidwin (2009)	H. Vernon (2024-P)
S. Briley (2008)	E. Hetherington (2009)	R. MacIntyre ^ˆ (2025)	H. Wayner (2016-17)
K. Brown (2016)	F. Holman (2022-2024)	R. McCollough (2013)	D. Weir (2009)
C. Chang ^ˆ (2025)	C. Homer (2018)	P. Muehlenbeck (2012)	
A. Chorazyczewski (2014)	C. Hope (2010)	V. Nielsen ^ˆ (2025)	
E. Cunningham ^ˆ (2024)	Z. Johanson (2016)	R. Rand (2011-12)	
T. Davies ^ˆ (2024-P)	A. Kamber (2017)	A. Ranne (2025)	
M. Deane-Gonzalez (2025-P)	L. Knopp (2009)	D. Rojano (2024)	
C. Doles (2013)	A. Kobs ^ˆ (2025)	M. Schmidt (2012)	
D. Duncan (2013)	K. Kuhn (2008)	E. Schurig (2013)	

⁺ major advisor
[°] graduate committee member
^ˆ graduate council representative
^ˆ research reviewer
^ˆ co-mentored by IMF Lab member

TEACHING

OREGON STATE UNIVERSITY	2024-P
Introduction to Fisheries Assessment (Graduate Course; eCampus)	
AMERICAN FISHERIES SOCIETY	2021
Spatiotemporal Analysis of Ecological Data (Conference Workshop)	
UNIVERSITY of ALASKA FAIRBANKS	
Making Ecological Inferences from Fisheries Data (Graduate Course; Guest Lecture)	2018
Field Methods in Marine Ecology and Fisheries (Undergraduate Course)	2017
UNIVERSITY of ALASKA SOUTHEAST: INTRO. to ALASKA FISHERIES – Juneau, AK	2016
Pacific Halibut Biology, Ecology, and Management (Undergraduate Course; Guest Lecture)	
CA COLLABORATIVE FISHERIES RESEARCH PROGRAM – Moss Landing, CA	2014, 2013, 2012
MPA Survey Objectives and Protocols (Multi-institutional Training)	
SAN DIEGO OCEANS FOUNDATION	
The Ocean In Motion (K-12 Marine Science Education Program)	2008-2010
REEF Survey Methods and Species Identifications (Community Science Training Program)	2008-2010

PRESENTATIONS

⁷⁸ WESTERN SOCIETY of NATURALISTS (San Diego, CA)	2025
— [Re]defining stock structure to support groundfish management along the US West Coast	
⁷⁷ OAH COUNCIL FISHERMAN-SCIENTIST ROUNDTABLE (Newport, OR)	2025
— State of the scientific community to continue conducting research: Pacific Fishery Management Council	
⁷⁶ WALLEYE POLLOCK RESEARCH SUMMIT (Seattle, WA)	2025
— Ecological inferences from more than a decade of pollock research in Alaskan waters	
⁷⁵ GULF of ALASKA CLIMATE INTEGRATED MODELING (GOACLIM) PROJECT (Virtual)	2024
— The Integrated Marine Fisheries Lab @ OSU: Supporting stock assessments, climate-ready fisheries, and EBFM	
⁷⁴ WESTERN SOCIETY of NATURALISTS (Portland, OR)	2024
⁷³ PICES NORTH PACIFIC MARINE SCIENCE ORGANIZATION (Honolulu, HI)	2024
— Blending ecological theory and simulation modeling to understand food web dynamics in the Gulf of Alaska	
⁷² MARINE RESOURCE EDUCATION PROGRAM (Newport, OR)	2024
⁷¹ HATFIELD MARINE SCIENCE CENTER RESEARCH SUMMIT (Newport, OR)	2024
⁷⁰ OAH COUNCIL FISHERMAN-SCIENTIST ROUNDTABLE (Newport, OR)	2024
— Using information about population structure to optimize the spatial scale of groundfish stock assessments along the US West Coast	
⁶⁹ NWFSC MONSTER JAM SEMINAR SERIES (Virtual)	2024
— Navigating uncertainty through stakeholder engagement and integrated approaches to fisheries science	
⁶⁸ LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Sitka, AK)	2024
— Working together to account for space in the form of baselines, barometers, and best-guesses	
⁶⁷ HATFIELD MARINE SCIENCE CENTER, OSU (Newport, OR)	2023
— Navigating uncertainty through stakeholder engagement and integrated approaches to fisheries science	
⁶⁶ WESTERN GROUND FISH CONFERENCE (Juneau, AK)	2023
— Climate-informed models benefit hindcasting but present challenges for forecasting species-habitat associations	
⁶⁴⁻⁶⁵ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Fairbanks, AK)	2023
⁶²⁻⁶³ WESTERN SOCIETY of NATURALISTS (Oxnard, CA)	2023
— Climate-informed models benefit hindcasting but present challenges for forecasting species-habitat associations	
— Prospective students: new opportunities with the Integrated Marine Fisheries Lab at OSU	
⁶¹ OREGON CHAPTER of the AMERICAN FISHERIES SOCIETY (Eugene, OR)	2023
— Prospective students: new opportunities with the Integrated Marine Fisheries Lab at OSU	
⁶⁰ HATFIELD MARINE SCIENCE CENTER (Newport, OR)	2022
— Using collaborative fisheries science to strengthen ecological inferences in the North Pacific	
⁵⁹ ECOSYSTEM STUDIES of SUBARCTIC AND ARTIC SEAS (Seattle, WA)	2022
— Climate-informed models benefit hindcasting but present challenges for forecasting species-habitat associations	
⁵⁸ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Virtual)	2022
⁵⁷ WESTERN SOCIETY of NATURALISTS (Virtual)	2021
— Model complexity has contrasting effects for hindcasting and forecasting species responses to climate change	
⁵⁶ CENTER for the ADVANCEMENT of POPULATION ASSESSMENT METHODOLOGY (Virtual)	2021
— Predation as a modifier of constant natural mortality for Gulf of Alaska pollock	
⁵⁵ ALASKA MARINE SCIENCE SYMPOSIUM (Anchorage, AK)	2020
— Development of a predation index to assess trophic stability in the Gulf of Alaska	
⁵³⁻⁵⁴ ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Sitka, AK)	2019
— Assessing the potential for competition between Pacific Halibut and Arrowtooth Flounder in the Gulf of Alaska	
— Spatiotemporal variation in consumption of Walleye Pollock by major groundfish predators in the Gulf of Alaska	
⁵¹⁻⁵² PICES North Pacific Marine Science Organization (Victoria, BC)	2019
— Assessing the potential for competition between Pacific Halibut and Arrowtooth Flounder in the Gulf of Alaska	
— Development of a predation index to assess trophic stability in the Gulf of Alaska	
⁵⁰ POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2019
⁴⁹ RASMUSON FISHERIES RESEARCH CENTER (Anchorage, AK)	2019
— Ecological interactions among groundfish species in the Gulf of Alaska	

Symbols correspond to items in 'AWARDS and HONORS'

PRESENTATIONS, CONT'D

48	LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Anchorage, AK) — Comparative resource use by two groundfish species in nearshore SE Alaska	2019
47	ALASKA FISHERIES SCIENCE CENTER, NOAA: GROUND FISH SEMINAR (Seattle, WA) — Ecological interactions among major groundfish species in the Gulf of Alaska	2018
46	WESTERN DIVISION of the AMERICAN FISHERIES SOCIETY (Anchorage, AK)	2018
45	INTERNATIONAL PACIFIC HALIBUT COMMISSION SEMINAR SERIES (Seattle, WA) — Assessing the potential for competition between P. Halibut and Arrowtooth Flounder in the Gulf of Alaska	2018
44	POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK)	2018
43	RASMUSON FISHERIES RESEARCH CENTER (Anchorage, AK) — Ecological interactions among groundfish species in the Gulf of Alaska	2018
42	UNIVERSITY of ALASKA FAIRBANKS: AQUATIC FOOD WEB ECOLOGY (Juneau, AK) — Making ecological inferences from fisheries data	2018
41	WESTERN GROUND FISH CONFERENCE (Monterey, CA) — A comparative assessment of resource use by P. Halibut and Arrowtooth Flounder throughout the Gulf of Alaska [∞]	2018
40	WESTERN SOCIETY of NATURALISTS (Tacoma, WA) — The potential for competition between Pacific Halibut and Arrowtooth Flounder in the Gulf of Alaska	2018
39	ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Fairbanks, AK) — A comparative assessment of resource use by P. Halibut and Arrowtooth Flounder throughout the Gulf of Alaska	2017
38	WESTERN DIV. of the AMERICAN FISHERIES SOCIETY: STUDENT COLLOQUIUM (McCall, ID)	2017
37	ALASKA MARINE SCIENCE SYMPOSIUM (Anchorage, AK) — A comparative assessment of resource use by two groundfish species from nearshore waters of SE Alaska	2017
36	POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK) — Ecological interactions among groundfish species in the Gulf of Alaska	2017
35	ALASKA MARINE SCIENCE SYMPOSIUM (Anchorage, AK) — Calculating an index of predation to improve the stock assessment for Walleye Pollock in the Gulf of Alaska	2016
33-34	POLLOCK CONSERVATION COOPERATIVE RESEARCH CENTER (Anchorage, AK) — Developing an index of predation to improve the assessment of Walleye Pollock in the Gulf of Alaska — Ecological interactions among groundfish species in the Gulf of Alaska	2016
32	UNIVERSITY of ALASKA SOUTHEAST (Juneau, AK) — Introduction to AK Fisheries Seminar: Pacific Halibut biology, ecology, management	2016
30-31	WESTERN GROUND FISH CONFERENCE (Newport, OR) — Growth, mortality, and reproductive seasonality of California Halibut: a biogeographic approach — Calculating an index of predation to improve the stock assessment for Walleye Pollock in the Gulf of Alaska [†]	2016
29	WESTERN SOCIETY of NATURALISTS (Monterey, CA) — A comparative assessment of resource use by Pacific Halibut and Arrowtooth Flounder from nearshore waters of Southeast Alaska: results from a small-scale field study	2016
28	ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY: STUDENT SYMPOSIUM (Juneau, AK) — Growth, mortality, and reproductive seasonality of California Halibut: a biogeographic approach	2015
26-27	ALASKA CHAPTER of the AMERICAN FISHERIES SOCIETY (Homer, AK) — Effects of demography, trophic interactions, and the environment on major groundfish species in the Gulf of Alaska — Exploring environmental and demographic drivers of resource overlap among Pacific Halibut, Arrowtooth Flounder, and Walleye Pollock in the Gulf of Alaska	2015
25	LOWELL WAKEFIELD FISHERIES SYMPOSIUM (Anchorage, AK) — Growth, mortality, and reproductive seasonality of California Halibut	2015
23-24	CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (Half Moon Bay & Moss Landing, CA) — Research objectives, data collection, analyses, and project results — MPA monitoring and other project results from 2013	2014
22	INTERNATIONAL FLATFISH SYMPOSIUM (Cle Elum, WA) — Age, growth, and reproductive potential of California Halibut	2014

Symbols correspond to items in 'AWARDS and HONORS'

PRESENTATIONS, CONT'D

²¹ MARINE: OCEANS COLLOQUIUM (Moss Landing, CA)	2014
²⁰ MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA) — Reproductive biology of California Halibut: results from the Central Coast	2014
¹⁹ MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA) — Flatfish fecundity: evaluating the reproductive nature of a prolific spawner in and around Monterey Bay	2014
¹⁸ MPA COLLABORATIVE NETWORK (Monterey, CA) — Key findings from monitoring Monterey Bay's marine protected areas	2014
¹⁶⁻¹⁷ WESTERN GROUND FISH CONFERENCE (Victoria, BC) — MPA monitoring: more than just the latest and greatest in marine conservation trends — Reproductive biology of California Halibut: results from the Central Coast	2014
¹⁵ WESTERN SOCIETY of NATURALISTS (Tacoma, WA) — Reproductive biology of California Halibut: evidence from the Central Coast	2014
¹³⁻¹⁴ CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (Half Moon Bay & Moss Landing, CA) — Research objectives, data collection, analyses, and project results — MPA monitoring and other project results from 2012	2013
¹² CALIFORNIA DEPARTMENT of FISH and WILDLIFE (Belmont, CA) — The California Collaborative Fisheries Research Program: objectives, results, and interpretations	2013
¹¹ MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA) — Reproductive characteristics of California Halibut off central California [§]	2013
¹⁰ MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA) — Spawning characteristics of California Halibut in Monterey Bay	2013
⁸ WESTERN SOCIETY of NATURALISTS (Oxnard, CA) — Reproductive biology of California Halibut: evidence from the Central Coast	2013
⁶⁻⁷ CA COLLABORATIVE FISHERIES RESEARCH PROGRAM (Half Moon Bay & Moss Landing, CA) — Research objectives, data collection, analyses, and project results — MPA monitoring and other project results from 2011	2012
⁵ EXPANDING YOUR HORIZONS NETWORK (Monterey, CA) — Fishing for our future: fisheries biology and resource management	2012
⁴ MONTEREY BAY NAT'L MARINE SANCTUARY SYMP: SANCTUARY CURRENTS (Seaside, CA) — Collaborative fisheries research: a transition from data-poor to data-rich management	2012
³ MOSS LANDING MARINE LABORATORIES, OPEN HOUSE (Moss Landing, CA) — Fishing for science: the California Collaborative Fisheries Research Program	2012
² WESTERN GROUND FISH CONFERENCE (Seattle, WA) — Collaborative fisheries research: a transition from data-poor to data-rich management	2012
¹ SAN DIEGO BAY SYMPOSIUM (San Diego, CA) — SDOF's White Seabass Restoration Project and its relevance to San Diego Bay	2009

Symbols correspond to items in 'AWARDS and HONORS'

PROFESSIONAL SERVICE AND OUTREACH ACTIVITIES

PEER REVIEWER

Aquatic Biology	ICES Journal of Marine Science
Bulletin of the Southern California Academy of Sciences	Journal of Applied Ecology
Ecography	Journal of Fish Biology
Ecosphere	Marine Environmental Research
Exxon Valdez Oil Spill Trustee Council	Oikos
Fisheries Research	PLoS ONE
Fishery Bulletin	

OREGON STATE UNIVERSITY

Department of Fisheries, Wildlife, and Conservation Sciences	
Strategic Advising Committee	2026-P
Graduate Committee	2023-2026
Search Committee, Assistant Professor in Aquaculture	2024-2025
Search Committee, Assistant Professor in Ichthyology	2023-2024
Hatfield Marine Science Center	
Marine Science Day	2025; 2024; 2023
Scholarship Selection Committee	2024; 2023

OAH FISHERMAN-SCIENTIST ROUNDTABLE

Planning Committee	2023-P
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INTERNATIONAL FLATFISH SYMPOSIUM

Steering Committee	2023-P
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AMERICAN FISHERIES SOCIETY, ALASKA CHAPTER

Professional Mentor; Peer Mentor	2021-2023; 2020
Diversity, Equity, and Inclusion Committee (Chair)	2018-2023
Annual Meeting Planning Committee	2017-2023
Awards Committee (co-Chair)	2018-2019
Entertainment Committee	2018-2019
Student Representative, Executive Committee	2015-2017

AMERICAN FISHERIES SOCIETY, WESTERN DIVISION

Diversity and Inclusion Committee	2018-2024
Annual Meeting Planning Committee	2021

NEWPORT PRIDE

Planning Committee and Founding Board of Directors	2022-2023
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AMERICAN FISHERIES SOCIETY

Diversity, Equity, and Inclusion Committee	2021-2023
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WESTERN GROUND FISH CONFERENCE

Steering Committee	2019-2023
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WESTERN SOCIETY of NATURALISTS (WSN)

Diversity, Equity, and Inclusion Committee	2018-2022
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SKYPE A SCIENTIST

Volunteer	2018-2022
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ALASKA FISHERIES SCIENCE CENTER (AFSC, NOAA)

Gender Equity Working Group	2021
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SOUTHEAST ALASKA LGBTQIA+ ALLIANCE

Board Member; Volunteer	2018-2019; 2015-2019
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PROFESSIONAL SERVICE AND OUTREACH ACTIVITIES, CONT'D

UNIVERSITY OF ALASKA FAIRBANKS

Search Committee, Assistant Professor in Quantitative Fisheries 2018-2019

Graduate Academic and Advising Committee 2017-2019

Professional Development Workshop Organizer 2018

MARINE MAMMAL STRANDING NETWORK

Volunteer 2018

SITKA SOUND SCIENCE CENTER

Scientist in the Schools Volunteer 2018

PARTNERSHIP FOR INTERDISCIPLINARY STUDIES OF COASTAL OCEANS

Intertidal and Subtidal Volunteer 2013-2014, 2018

ALASKA FISHERIES SCIENCE CENTER (AFSC, NOAA)

Trawl Survey Volunteer 2017

BIG BROTHERS BIG SISTERS

Match Activity Volunteer 2015

MOSS LANDING MARINE LABORATORIES

Curriculum Committee 2012 to 2014

Open House Donations Committee (Advisor; Chair) 2013 to 2014; 2011 to 2012

Associated Student Body Vice President 2011 to 2012

UNDERGRADUATE RESOURCE OPPORTUNITIES CENTER CSU MONTEREY BAY

Mentor 2014

TEACHER ENHANCEMENT PROGRAM

Marine Science Educator 2013

WATSONVILLE AREA TEENS CONSERVING HABITATS PROGRAM

Science Mentor 2012-2013

EXPANDING YOUR HORIZONS NETWORK

Young Women in Science Volunteer 2011-2013

MONTEREY BAY AQUARIUM

DSCVR Young Women in Science Mentor 2011, 2013

COASTAL AND MARINE INSTITUTE, SAN DIEGO STATE UNIVERSITY

Graduate Research Assistant 2010

SAN DIEGO SCIENCE AND ENGINEERING FAIR, Professional Society Judge 2009-2010

SAN DIEGO COASTKEEPER

Outreach and Community Event Intern 2005-2006

SELECT ASSOCIATIONS, CERTIFICATIONS, AND TRAININGS

500 QUEER SCIENTISTS, Member	2017-P
ALASKA CLIMATE INTEGRATED MODELING (ACLIM) PROJECT	
Lead Principal Investigator; Contributor	2023-P; 2020-2023
ALASKA MARINE SAFETY EDUCATION ASSOCIATION	
Cold Water Survival; Skiff Operator	2015, 2017
AMERICAN ACADEMY OF UNDERWATER SCIENCES, Scientific Diver; Member	2010-P
AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Member	2016-P
AMERICAN FISHERIES SOCIETY, Member	2015-P
AMERICAN INSTITUTE OF FISHERY RESEARCH BIOLOGISTS, Member	2019-P
AMERICAN RED CROSS – CPR, AED, First Aid, and Administering Emergency O ₂	2006-2015
Lifeguard and Water Safety Instructor; Fundamentals of Instructor Training	2006-2008
AMERICAN STATISTICAL ASSOCIATION, Member	2019-P
CA DEPARTMENT OF BOATING AND WATERWAYS, Boating Education Certificate	2011
CA OCEAN SCIENCE TRUST, CA Citizen Science Initiative	2014
CENTER FOR THE IMPROVEMENT OF MENTORED EXPERIENCE IN RESEARCH (CIMER), Mentor	2025
COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI)	2015-P
ECOLOGICAL SOCIETY OF AMERICA, Member	2019-P
EPSCoR, Mindful Leadership: Creating a Diverse and Inclusive UA Workshop	2018
EQUAL EMPLOYMENT OPPORTUNITY COMM., Beyond the Binary Workshop	2021
GULF of ALASKA CLIMATE INTEGRATED MODELING (GOACLIM) PROJECT	
Lead Principal Investigator; Contributor	2023-P; 2022-2023
MORALE, WELFARE, AND RECREATION, COMM. FLEET ACT, Power Boat Operator	2007
MPA COLLABORATIVE NETWORK, Member	2011-2014
NATIONAL ASSOCIATION OF UNDERWATER INSTRUCTORS	
Master SCUBA Diver; Nitrox Diver	2010
NATIONAL CENTER FOR FACULTY DIVERSITY AND DEVELOPMENT	
Faculty Success Program	2023
NATIONAL CENTER FOR ECOLOGICAL ANALYSIS AND SYNTHESIS (NCEAS)	
Reproducible Research Techniques for Synthesis Workshop	2019
NATIONAL COUNCIL FOR BEHAVIORAL HEALTH, Mental Health First Aid USA	2018
NOAA PRIDE EMPLOYEE RESOURCE GROUP, Member	2020-2023
oSTEM, Member	2019-P
PROFESSIONAL ASSOCIATION of DIVING INSTRUCTORS	
Open Water, Advanced Open Water, Rescue Diver; Dive Master	2006, 2007, 2009; 2010
REEF CHECK CALIFORNIA	
Uniform Point Contact, Algae, Invertebrate, and Fish Surveyor	2010
REEF ENVIRONMENTAL EDUCATION FOUNDATION (REEF)	
Marine Algal, Invertebrate, and Expert Fish Surveyor	2008
SACNAS, Member; Creating More Inclusive Spaces in STEM Workshop	2022-P; 2021
TRIMBLE, Intermediate Mapping and GIS Certificate	2011
UNITED STATES COAST GUARD, Small Vessel Operator	2015
WESTERN SOCIETY OF NATURALISTS, Member	2010-P