

UMaine Graduate Faculty affiliated with the Aquaculture & Aquatic Resources Graduate Program

(Correct as of July 2025)

Brian Beal, Ph.D. (University of Maine), Professor. University of Maine at Machias. Shellfish aquaculture, estuarine biology, marine benthic ecology, and experimental design. (bbeal@maine.edu)

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Damian Brady, Ph.D. (University of Delaware), Professor, School of Marine Sciences. Spatial and temporal dynamics of water quality and organism behavior. (damian.brady@maine.edu)

Ian Bricknell, Ph.D. (University of Lancaster, UK), Professor. School of Marine Sciences. Aquatic animal health, especially parasites such as sea lice. (ian.bricknell@maine.edu)

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Gulsun Akdemir Evrendilek, Ph.D. (The Ohio State University, Columbus, OH), Associate Extension Professor and Seafood Technology and Food Safety Specialist, Cooperative Extension. Food safety, foodborne pathogens, food quality systems, HACCP, novel processing technologies (PEF, HHP, ozone, etc), waste valorization, biosensors (gulsun.akdemir@maine.edu)

Erin Grey, Ph.D. (University of Chicago), Associate Professor of Ecological Bioinformatics, School of Biology & Ecology. Genetics, larval ecology, benthic ecology, biofouling, invasive species, environmental DNA and RNA. (erin.grey@maine.edu)

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Heather Hamlin, Ph.D. (University of Florida). Professor. School of Marine Sciences. Reproductive biology and endocrinology of aquacultured animals. (heather.hamlin@maine.edu)

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Kim Huguenard Ph.D. (University of Florida). Associate Professor of Civil and Environmental Engineering (CIE). Coastal and ocean engineering, estuarine hydrodynamics, nearshore processes, turbulence and mixing, including aquaculture engineering. (kimberly.huguenard@maine.edu)

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Jen Perry Ph.D. (Ohio State University), Associate Professor of Food Microbiology. Investigation of the effect of probiotic supplementation and dietary modulation on the composition of the bacterial and fungal communities in the GI tract, evaluation of differences in genomic and transcriptomic profiles. (jennifer.perry@maine.edu)

Paul Rawson, Ph.D. (University of South Carolina), Professor of Marine Science. School of Marine Science. Ecological genetics of marine invertebrates and marine bivalve aquaculture. (prawson@maine.edu)

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Denise Skonberg, Ph.D. (University of Washington), Professor. School of Food and Agriculture. Seafood by-product utilization, seafood processing, quality evaluation of aquaculture products. (denise.skonberg@maine.edu)

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Affiliated External Graduate Faculty

Carrie J. Byron, Ph.D. (University of Rhode Island), Professor. Department of Marine Science. University of New England. Food web ecology, trophic dynamics and carrying capacity of ocean foods production. (cbyron@une.edu)

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Samuel May, Ph.D. (University of Washington) Genetic Services Lead — North America, The Center for Aquaculture Technologies. Quantitative and population genetics for aquaculture, fisheries, ecology, and conservation; selective breeding, quantitative ecology, evolutionary ecology, and population dynamics. (smay@aquatechcenter.com)

Brian Peterson, Ph.D. Center Director, The National Cold Water Marine Aquaculture Center, USDA, Franklin, Maine. Research program areas address: Genetic Improvement, Growth and Development, Health, and Sustainable Production Systems for Atlantic salmon and for cold water marine finfish species. (brian.peterson@usda.gov)