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Research Interests
My research focuses on fish behavior and fishing gear, and sustainable utilization of fisheries resource of the northeastern U.S. and beyond. This includes the use of flume tank modeling techniques, computer simulations, sea trials, underwater video observations, and statistical methods to understand fish behavior near fishing gears and in their natural habitat. My research extends to the application of fish behavioral knowledge to fishing gear designs and operations to reduce bycatch, discards, megafauna interactions, and impact of fishing on the seabed.

Current and Recent Research
❖ Testing a haddock trawl to reduce cod bycatch
❖ Designing a shrimp trawl grid to reduce bycatch of small fish and small shrimps
❖ Designing/testing a squid trawl to reduce butterfish bycatch in southern New England
❖ Testing a whiting trawl to reduce flounder bycatch in Maine

Selected Recent Publications