

## STUDENT PROPOSAL DEFENSES IN 2013

STUDENT	DEGREE	ADVISOR	TITLE
Shannon Bayse	PhD	Pingguo He	Observing fish behavior and evaluating gear designs to reduce bycatch of small mesh trawl fisheries in New England
Sean Lucey	PhD	Steve Cadrin	Evaluating ecosystem-based management strategies against the current single-stock approach
Yunfang Sun	PhD	Changsheng Chen	Long and short-term oceanic response to atmospheric forcing over the Gulf of Maine/Georges Bank and New England Shelf
Elissa Ward	PhD	Cynthia Pilskaln	Diatom flux and deposition in the Gulf of Maine: Indicators of seasonal to decadal environmental and production variability
Doug Zemeckis	PhD	Steve Cadrin	Spawning behavior, seasonal movements, and population structure of Atlantic cod ( <i>Gadus morhua</i> ) in the Gulf of Maine

## DISSERTATION AND THESIS DEFENSES IN 2013

STUDENT	DEGREE	ADVISOR	TITLE
Camille David	PhD	Brian Howes	Linkages between sea level rise, changes in tidal inlet and wetland response
Greg DeCelles	PhD	Steve Cadrin	Seasonal movements, spawning habitats and larval dispersal of winter flounder ( <i>Pseudopleuronectes americanus</i> ) in the Gulf Of Maine
Kazuhiro Hayashi	PhD	Cynthia Pilskaln	Biogeochemical particle flux, resuspension and deposition in the western Gulf of Maine
Chang Liu	MS	Geoffrey Cowles	Quantifying connectivity in Buzzards Bay with application to the study of recruitment variability in the bay scallop <i>Argopecten irradians</i>
Craig O'Connell	PhD	Pingguo He	The effect of biological and environmental factors on elasmobranch magnetoreception and its application for conservation in beach nets and fishing gears
Marco Pedulli	PhD	James Bisagni	Seasonal nitrate drawdown, potential new production and export production for waters off the Western Antarctic Peninsula (WAP) region

## 2013 GRADUATING STUDENTS

STUDENT	DEGREE	ADVISOR	MONTH	TITLE
David Bethoney	PhD	Kevin Stokesbury	Sept	River herring and American shad at-sea distribution and bycatch in the U.S. Atlantic mid-water trawl fisheries
Jason Boucher	PhD	Changsheng Chen	Sept	Modeling the interannual variability in larval retention and survival of haddock, <i>Melanogrammus aeglefinus</i> , on Georges Bank
Chawalit Charoenpong	MS	Mark Altabet	Sept	A continuous flow IRMS method for high precision determination of dissolved gas ratios and isotopic composition
Fiona Hogan	PhD	Steve Cadrin	Jan	Age and growth of multiple species from the northeast U.S. skate complex
Jeffrey Kneebone	PhD	Diego Bernal	Jan	Aspects of the fisheries ecology of juvenile sand tiger sharks ( <i>Carcharias Taurus</i> ) in the western North Atlantic
Cate O'Keefe	PhD	Kevin Stokesbury	Sept	An incentive-based, collaborative approach to maximize yield by avoiding yellowtail flounder bycatch in the US sea scallop fishery
Derek Perry	MS	Greg Skomal Diego Bernal		Feeding ecology of the smooth dogfish, <i>Mustelus canis</i> , in Buzzards Bay, Massachusetts
Sally Roman	MS	Steve Cadrin	Jan	Testing of modified otter trawl groundgear to reduce the catch of juvenile American plaice
Roland Samimy	PhD	Brian Howes	May	Nitrogen attenuation in coastal watersheds: The effect of surface water ecosystems in reducing nitrogen during transport from watershed sources to estuarine receiving waters
Sara Samperi	MS	Brian Howes	Jan	Effects of nutrient enrichment on estuarine benthic communities in southeastern Massachusetts
Kaitlynn Shaw	MS	Brian Howes	May	Macroalgal composition and accumulation in New England estuaries
Katherine Thompson	MS	Kevin Stokesbury	May	The Atlantic sea scallop ( <i>Placopecten magellanicus</i> ) reproductive cycle in Closed Areas I and II on Georges Bank