



Alison Laurel Deary

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EDUCATION AND TRAINING:

2009-2015, **Ph.D., Marine Science**, Virginia Institute of Marine Science, College of William and Mary, 3.88 GPA

Ph.D. Dissertation: Ontogeny of the feeding apparatus and sensory structures, and its relationship to habitat differentiation among larval drums (Sciaenidae) in the Chesapeake Bay

Major advisor: Dr. Eric Hilton

Dissertation Committee: Drs. Ed Houde, Wolfgang Vogelbein, Richard Brill, Robert Latour

2009, **B.S. Marine Biology**, Honors College, College of Charleston, Charleston, SC
May 2009, Summa cum Laude, 3.98 GPA

Minors: Chemistry and Geology (with a concentration in Coastal and Environmental Studies)

Senior Thesis: "Oceanographic characterization of Central Pacific tuna habitat"

Advisor: Dr. Gorka Sancho

PUBLICATIONS:

Deary AL, RJ Latour, and EJ Hilton. 2017. Niche partitioning in early life history stage, estuarine-dependent fishes (Sciaenidae). *Estuaries and Coasts*. DOI: 10.1007/s12237-017-0248-8.

Greer AT, C Briseño-Avena, **AL Deary**, RK Cowen, FJ Hernandez, and WM Graham. 2017. Associations between lobster phyllosoma and gelatinous zooplankton in relation to oceanographic properties in the northern Gulf of Mexico. *Fisheries Oceanography*. DOI: 10.1111/fog.12228.

Dzwonkowski B, AT Greer, C Briseño-Avena, JW Krause, IM Soto, FJ Hernandez, **AL Deary**, JD Wiggert, D Joung, PJ Fitzpatrick, SJ O'Brien, SL Dykstra, Y Lau, MK Cambazoglu, G Lockridge, SD Howden, AM Shiller, and WM Graham. 2017. Estuarine influence on biogeochemical properties of the Alabama shelf during the fall season. *Continental Shelf Research* 140: 96-109.

Deary AL and EJ Hilton. 2017. Influence of cladogenesis on feeding structures in drums (Teleostei: Sciaenidae). *Zoology* 120: 53-61.

Deary AL, B Metscher, RW Brill, and EJ Hilton. 2016. Shifts of sensory modalities in early life history stage estuarine fishes (Sciaenidae) from the Chesapeake Bay using X-ray microtomography. *Environmental Biology of Fishes* 99 (4): 361-375.

Deary AL, P Patrick, and N Strydom. 2016. Development and ossification of the feeding apparatus in the larvae of two co-occurring species of kob (Sciaenidae), *Argyrosomus japonicus* and *A. thorpei*. *Journal of Fish Biology* 88 (2): 542-557.

Deary AL and EJ Hilton. 2016. Comparative ontogeny of the feeding apparatus of sympatric drums (Perciformes: Sciaenidae) from different foraging guilds in the Chesapeake Bay. *Journal of Morphology* 277 (2): 183-195.

Deary AL, S Moret, M Engles, E Zettler, G Jaroslow, and G Sancho. 2015. Influence of Central Pacific oceanographic conditions in the vertical habitat of four tropical tuna species. *Pacific Science* 69 (4): 461-475.

Ribeiro F, E Hale, T Clardy, **AL Deary**, EJ Hilton, T Targett, and JE Olney. 2015. Assemblage structure and temporal patterns of larval fish ingress into Chesapeake and Delaware Bays. *Marine Ecology Progress Series* 527: 167-180.

PUBLISHED ABSTRACTS:

Ribeiro F, E Hale, EJ Hilton, T Clardy, **AL Deary**, T Targett, and J Olney. 2015. Composition and temporal patterns of larval fish communities in Chesapeake and Delaware Bays. *Frontiers in Marine Science*. DOI: 10.3389/conf.FMARS.2015.03.00188.

Deary AL, B Kennedy, and LR Sautter. 2007. "Sonar Characterization of Relict Meandering River Channel in the Mid-Continental Shelf." *Geological Society of America Abstracts with Programs* 39 (2): < https://gsa.confex.com/gsa/2007SE/finalprogram/abstract_118748.htm>

RESEARCH EXPERIENCE:

2017-Present, Fisheries Biologist with Eco-FOCI at NOAA, Alaska Fisheries Science Center, Seattle, WA

2015-2016, Post-doctoral Researcher at the Gulf Coast Research Laboratory, University of Southern Mississippi (USM) for the Consortium for oil spill exposure pathways in Coastal River-Dominated Ecosystems (CONCORDE)

2015, Tagging Atlantic sturgeon in the York River to identify and characterize nursery habitats

2014, Training in Micro-Computed Tomography techniques at University of Vienna, Austria

2012, Invited researcher at Nelson Mandela Metropolitan University, Port Elizabeth, South Africa to train graduate students in morphology and clearing and staining techniques

2010, Invasion Biology course, predicting invasion success using a new conceptual model

2008, National Oceanic and Atmospheric Administration (NOAA) Hollings Summer Internship, identified fish and invertebrate species and collected length, weight, sex, and genetic data with the Alaska Fisheries Science Center in the Bering Sea for annual Groundfish Assessment Survey, Supervisor Dr. Jay Orr

2008, Sea Education Association (SEA), Oceans and Climate curriculum, investigated the taxonomic distribution of salp species in relation to climate and hydrographic data in a project entitled "Spatial Distribution of Salps in the Central Equatorial Pacific"

2006, NOAA Ship NANCY FOSTER, three-day research cruise on the mid-continental shelf off

Charleston, SC to survey essential fish habitat using multi-beam sonar
2006, Beach Profiling Project on Dewees Island, Graduate Student's Assistant, collected beach morphology data and inputted the information into Excel

PROFESSIONAL EXPERIENCE AND SERVICE:

2014-Present, Co-chair of Early Career Committee for American Fisheries Society Early Life History Section
2016, Sciaenid Habitat Contractor for Atlantic States Marine Fisheries Commission to provide expertise on their Sciaenid Habitat Source Document
2016, Chief Scientist for Spring research campaign with CONCORDE (March 30-April 12, 2016)
2016, Organized Funding Workshop for early career researchers at USM, Dr. Alan Shiller provided insights for finding potential funding sources and assembling successful grant applications
2016, Organized Career Planning Panel Discussion for early career researchers at USM, Career Experts: Dr. Alan Weidemann, Dr. Jeffrey Krause, and Larissa Graham
2016, Scientific Volunteer at East Biloxi Fishing Community Meeting, gather insight from local fisherfolks regarding changes to ecosystem after oil spill
2016, Organized Presentation Skills Workshop for early career researchers affiliated with CONCORDE, Guest speaker Dr. Jessica Kastler
2015-2016, CONCORDE Early Career Mentoring Chair
2015, Planned and executed a grant writing workshop geared to early career researchers at Annual Larval Fish Conference entitled "Tips for Successful Grant Writing"
2011-2015, Assistant Aquarium Curator at VIMS
2013-2015, Student Representative for Visiting Scholar Program at VIMS organizing week-long workshop on biogeography led by Dr. Lynne Parenti
2013-2014, Student Representative of the Museum Assessment Program for the VIMS Fish Collection
2013, Attended Geometric Morphometrics and Phylogeny workshop, 4th Edition, Transmitting Science, Barcelona, Spain
2011-2014, led and coordinated weekly lab sampling events for an ichthyoplankton Ingress project in lower Chesapeake Bay to examine changes in community and species phenology in relation to climatic forcings
2011, Oceanography Expert for a Native American Girl Scout troop from North Dakota
2011, Chair of Abstract Submission Committee for annual AFS Tidewater Chapter meeting
2011, completed graduate course entitled "Early Life History of Marine Fishes"
2010-2013, Student Representative for VIMS Seminar Series
2009, Field Assistant, Juvenile Striped Bass Seine Survey, VIMS
2009, Fisheries Biologist during NOAA annual Groundfish Assessment Survey in Gulf of Alaska, NOAA Alaska Fisheries Science Center
2008, Summer NOAA Hollings intern at California Academy of Sciences identifying sponges from NOAA collections from the Bering Sea and Gulf of Alaska during Groundfish Assessment Surveys, Supervisor Dr. Robert J. Van Syoc
2007-2008, College of Charleston Beam Team, Collected and analyzed multi-beam acoustic data using CARIS software

RESEARCH CRUISE EXPERIENCE:

2017, NOAA's *Oscar Dyson* (R-224), Western Gulf of Alaska, Spring Ichthyoplankton Survey and Fall YOY Trawl Survey
2016, R/V *Point Sur*, northern Gulf of Mexico (USA) CONCORDE Field Campaign and Bonnet

Carré Spillway bio-physical response cruise
 2015, R/V *Point Sur*, northern Gulf of Mexico (USA) CONCORDE field Campaign
 2012, R/V *uKwabelana*, Algoa Bay (South Africa) South African Institute of Aquatic Biology project to assess seasonal plankton community and primary production
 2011, R/V *Bay Eagle*, Chesapeake Bay and coastal Virginia (USA) VIMS Shark Survey
 2009, F/V *Vesteraalen*, Gulf of Alaska (USA), NOAA Groundfish Assessment Survey
 2008, F/V *Vesteraalen*, Bering Sea (USA), NOAA Groundfish Assessment Survey
 2008, R/V *Robert C. Seamens*, Pacific Ocean (USA to French Polynesia), SEA education class research cruise
 2006, R/V *Nancy Foster*, Charleston Bump (USA), Acoustic characterization of hard-bottom areas with College of Charleston Beam Team

In total, I have logged approximately 180 days at-sea conducting research.

OUTREACH AND TEACHING EXPERIENCES:

2016-Present, maintains and updates Facebook page for Early Life History Section American Fisheries Society
 2017, NOAA AFSC Science Camp volunteer, demonstrated plankton sampling methodology for 7th grade students
 2017, NOAA AFSC Open House, highlighted importance of ichthyoplankton studies and our commonly encountered fishes and invertebrates
 2017, Developed and maintained a blog entitled “Scientists seek out the tiniest catch, larval fish in the Gulf of Alaska” for NOAA AFSC Dispatches from the Field program
 2016, Outreach talk entitled “Jaws and larval fish feeding” to local community during USM Science Café
 2015, Marine Science expert for Richmond Community High School student, Richmond, Virginia
 2015, World Oceans Day volunteer for Boys and Girls Club of Gulfport aboard R/V *Point Sur*
 2010-2015, tour guide for the Fish Collection at VIMS
 2015, Lab Instructor for undergraduate Geology labs at the College of William and Mary
 2014, developed and taught undergraduate seminar course at the College of William and Mary entitled “The Hazards of Coastal Living”
 2014, undergraduate Teaching Assistant at VIMS for Department of Aquatic Sciences introductory course entitled “Fundamentals of Environmental Chemistry, Toxicology and Pathobiology”
 2013-2014, NSF GK-12 PERFECT fellow partnered with an Earth Science teacher at York High School, Grafton, VA
 2013, Communicating Ocean Sciences to Informal Audiences workshop, Virginia Aquarium
 2013, Science, Technology, Engineering and Technology CoNNECT workshop, College of William and Mary
 2013, Outreach talk entitled “Can fish larvae help us predict recruitment in the Chesapeake Bay?” to the Eastern Shore of Virginia Anglers Club
 2013, Outreach talk “An introduction to larval fishes in the Chesapeake Bay” to the Peninsula Chapter of the Virginia Master Naturalist Program
 2013, Lab Instructor for undergraduate Geology labs at the College of William and Mary
 2012, Scientist interviewed by 3rd and 4th graders for Bay Buddies Summer Camp, *Chesapeake Bay National Estuarine Research Reserve (CBNERR)*
 2011, Led an after hour lecture for K-12 age children entitled “Sounds in the Bay”, *CBNERR*
 2006- 2007, Supplemental Instruction Leader for the Biology Department
 2007, Organic Chemistry Tutor

2007, Biology Tutor
2006, Chemistry Lab Teaching Assistant

HONORS AND AWARDS:

2014, Recipient of Sally Richardson Award, Best Student Paper, American Fisheries Society (AFS) Early Life History Section
2013, Honorable mention for the Sally Richardson Award, Best Student Paper, AFS Early Life History Section
2012, John H.S. Blaxter Award, Best student poster, Early Life History Section, AFS
2011, John E. Olney Sr. Ichthyology Award, Virginia Institute of Marine Science
2011, Honorable mention for the Sally Richardson Award, Best Student Paper, AFS Early Life History Section
2007-2009, Ernest F. Hollings Undergraduate Scholarship Program, NOAA
2005-2009, Presidential Scholarship, Honors College, College of Charleston
2005-2009, Baynard Memorial Scholarship, Honors College, College of Charleston
2005-2009, College of Charleston Academic Scholarship, Honors College, College of Charleston
2007, Navy League Scholarship, Navy League of Charleston, SC
2008, Presidential and Dean's Awards, Sea Education Association (SEA) Board of Trustees

GRANTS AND FELLOWSHIPS:

2014, Larval Fish Conference Student Travel Support, \$300
2014, Student Research Grant, Charles Center, \$750
2013, Student Research Grant, \$2,800
2013, Grey Allison & H. Renwick Dunlap Fellowship, \$1,800
2013, NSF GK-12 PERFECT Grant, tuition and stipend
2012, Student Research Grant, \$3,000
2012, Dean's Fellowship, \$3,000
2012, ASIH Student Travel Award, \$300
2012, Graduate Student Summer Travel Grants, \$200
2012, William and Mary Office of Student Activities Conference fund, \$250
2012, Student Travel Grant for the 36th Annual Larval Fish Conference, \$450
2012, Registration and Accommodation Grant for the 36th Annual Larval Fish Conference
2011-2012, Eastern Shore Lab Grant, Virginia Institute of Marine Science, \$1000
2009-2011, Beazley Fellowship, Virginia Institute of Marine Science
2009- 2011, Institutional Fellowship, Virginia Institute of Marine Science, tuition and stipend
2011, Graduate Student Association Mini-grant, Virginia Institute of Marine Science, \$500
2010, Student Research Grant, Virginia Institute of Marine Science, \$1000

INVITED PRESENTATIONS:

AL Deary. 2016. "Ecomorphology as an interdisciplinary tool to study foraging patterns in early life history stage fishes." Division of Marine Science, University of Southern Mississippi. Stennis Space Center, Mississippi, October 2016.

AL Deary. 2016. "An interdisciplinary approach to recruitment variability and ecosystem dynamics in coastal fisheries." Fisheries-Oceanography Coordinated Investigations, National Oceanic and Atmospheric Administration. Seattle, Washington, August 2016.

AL Deary. 2016. "CONCORDE- Merging biological and physical datasets to understand habitat

requirements in coastal, early stage fishes.” Gulf Ecology Division, Environmental Protection Agency Seminar Series. Gulf Breeze, FL, June 2016.

AL Deary. 2016. “Ecomorphological patterns in early life history stage fishes.” Dauphin Island Sea Lab Seminar Series. Dauphin Island AL, June 2016.

AL Deary. 2015. “Ontogeny of the feeding apparatus and sensory modalities in early life history stage drums (Sciaenidae) from the Chesapeake Bay.” Gulf Coast Research Lab Seminar Series. Ocean Springs MS, February 2015.

CONTRIBUTED PRESENTATIONS:

*Graduate Student

AT Greer, C Briseño-Avena, **AL Deary**, MK Cambazoglu, IM Soto, G Jacobs, FJ Hernandez, RK Cowen, and WM Graham. 2017 “Partners or prey? Exploring the drivers of associations between lobster phyllosoma and gelatinous zooplankton in the northern Gulf of Mexico” (Oral) American Society of Limnology and Oceanography (ASLO) Oceans Sciences Meeting. Honolulu HI, February 2017.

S Parra, **AL Deary**, J Book, A Greer, C Briseño-Avena, A Boyette*, T Miles, and F Hernandez. 2017 “Highly-Resolved Temporal in situ Variability of Zooplankton Diel Vertical Migrations in the Mississippi Bight” (Oral) Oil Spill and Ecosystem Science Conference. New Orleans LA, February 2017.

A Hoover*, **AL Deary**, and FJ Hernandez. 2017. “Spatial variation in zooplankton and ichthyoplankton dynamics during an atypical freshwater discharge event in the northern Gulf of Mexico” (Oral) Oil Spill and Ecosystem Science Conference. New Orleans LA, February 2017.

AD Boyette*, S Parra, A Shiller, I Soto Ramos, A Weidemann, S Joye, MK Cambazoglu, **AL Deary**, T Miles, and WM Graham. 2017 “Characterization of Stratified Coastal Waters in Response to a Winter Mississippi River Flood and the Opening of the Bonnet Carré Spillway, LA” (Oral) Oil Spill and Ecosystem Science Conference. New Orleans LA, February 2017.

C Briseño-Avena, S Warner, A Greer, I Soto Ramos, S Parra, **AL Deary**, FJ Hernandez, WM Graham, J Moum, and RK Cowen. 2017 “Turbulence Microstructure in Coastal River Plumes: Measuring the in situ Effects on Plankton” (Oral) Oil Spill and Ecosystem Science Conference. New Orleans LA, February 2017.

A Chaplin (high school student), JW Krause, RA Pickering*, C Briseño-Avena, **AL Deary**, and FJ Hernandez. 2017 “Magnitude and Spatial Variability of Large Siliceous Particles on the Mississippi-Alabama Shelf during Spring” (Poster) Oil Spill and Ecosystem Science Conference. New Orleans LA, February 2017.

B Dzwonkowski, AT Greer, C Briseño-Aveno, J Krause, D Joung, I Soto Ramos, F Hernandez, **AL Deary**, J Wiggert, P Fitzpatrick, S O’Brien*, S Dykstra*, Y Lau, MK Cambazoglu, G Lockridge, S Howden, AM Shiller, and WM Graham. 2017 “Influence of Estuarine-exchange on the Coupled Bio-physical Water Column Structure during the Fall Season on

the Alabama Shelf” (Oral) Oil Spill and Ecosystem Science Conference. New Orleans LA, February 2017.

AL Deary and FJ Hernandez. 2016 “Ontogenetic changes to the feeding apparatus in *Larimus fasciatus* (family: Sciaenidae)” (Oral) Early Life History Section, American Fisheries Society (AFS). Solomons MD, June 2016.

AL Deary, AM Hoover*, B Dzwonkowski, H Box, I Soto Ramos, A Shiller, FJ Hernandez, R Arnone, and WM Graham. 2016 “CONCORDE- Hydrographic characterization of a river plume in the northern Gulf of Mexico during an anomalous winter discharge event” (Poster) Early Life History Section, AFS. Solomons MD, June 2016.

AM Hoover*, **AL Deary**, B Dzwonkowski, H Box, I Soto Ramos, A Shiller, R Arnone, FJ Hernandez, and WM Graham. 2016 “CONCORDE- Assessment of larval fish diet and condition during an atypical winter freshwater-discharge event in the northern Gulf of Mexico” (Poster) Early Life History Section, AFS. Solomons MD, June 2016.

AM Hoover*, **AL Deary**, and FJ Hernandez. 2016 “Does variable river discharge impact larval fish condition: an examination of planktonic food webs in the northern Gulf of Mexico” (Poster), Graduate Student Symposium. Ocean Springs MS, March 2016.

AL Deary, AM Hoover*, FJ Hernandez Jr., RK Cowen, I Church, JW Krause, AT Greer, C Briseño-Avena, AD Boyette*, and WM Graham. 2016 “CONCORDE: Preliminary distribution of plankton along three sampling corridors in the Northern Gulf of Mexico” (Poster) Oil Spill and Ecosystem Science Conference. Tampa FL, February 2016.

RK Cowen, WM Graham, FJ Hernandez Jr., JW Krause, SD Howden, I Church, C Briseño-Avena, AT Greer, and **AL Deary**. 2016 “CONCORDE: Measurements of Fine-to Sub-Mesoscale Processes Driving Autumn Plankton Distributions and Transport in the Highly Dynamic Coastal Shelf System of the Northern Gulf of Mexico” (Poster) Oil Spill and Ecosystem Science Conference. Tampa FL, February 2016.

FJ Hernandez Jr., RK Cowen, I Church, JW Krause, **AL Deary**, AT Greer, C Briseño-Avena, AD Boyette*, AM Hoover*, and WM Graham. 2016 “CONCORDE: Environmental Observations and Planktonic Processes” (Poster) Oil Spill and Ecosystem Science Conference. Tampa FL, February 2016.

FJ Hernandez, WM Graham, RK Cowen, JW Krause, **AL Deary**, AT Greer, and A Boyette*. 2015 “CONCORDE- Plankton Sub-project” (Oral), CONSortium for oil spill exposure pathways in COastal River-Dominated Ecosystems (CONCORDE) All Hands Meeting. Gulfport MS, September 2015.

Deary AL, FJ Hernandez, RK Cowen, I Church, AT Greer, and WM Graham. 2015 “Using plankton aggregations to understand oil distribution in nearshore river-dominated ecosystems in the Northern Gulf of Mexico” (Poster), Early Life History Section, AFS. Vienna Austria, July 2015.

Deary AL. 2015 “Ontogeny of sensory modalities and the feeding apparatus: Relationship to

habitat differentiation among early life history stage drums (Sciaenidae) in the Chesapeake Bay” (Oral), Early Life History Section, AFS. Vienna Austria, July 2015

Deary AL, B Metscher, and EJ Hilton. 2014 “Ontogenetic changes to sensory modality in early life history stage drums (family Sciaenidae) from the Chesapeake Bay” (Oral), Early Life History Section, AFS. Quebec Canada, August 2014.

Deary AL* and EJ Hilton. 2014 “Ontogenetic diet shifts in early life history stage estuarine fishes (Family Sciaenidae) from the Chesapeake Bay.” (Oral), Early Life History Section, AFS. Quebec Canada, August 2014.

Deary AL* and EJ Hilton. 2014 “Using phylogeny to address ecomorphology, development of feeding structures and dietary shifts of early life history stage drums (family Sciaenidae) from the Chesapeake Bay.” (Oral), American Society of Ichthyologists and Herpetologists (ASIH). Chattanooga TN, August 2014.

Deary AL* and KM Laumann*. 2014 “Ichthyology and Marine Science in Inquire-Based Learning: How researchers can contribute to middle and high school education.” (Poster), ASIH. Chattanooga TN, August 2014.

Deary AL*, S Moret, M Engels, E Zettler, G Jaroslow, and G Sancho. 2014. “Influence of oceanographic conditions on the vertical habitat of four tropical tuna species in the Central Pacific.” (Oral), Southern Division, AFS. Charleston SC, January 2014.

Deary AL* and EJ Hilton. 2014 “Ontogenetic diet shifts in early life history stage estuarine fishes (Family Sciaenidae) from the Chesapeake Bay.”(Oral) Southern Division, AFS. Charleston SC, January 2014.

Deary AL*, P Patrick*, and N Strydom. 2013. “Comparison of the development and ossification of the cranium in two species of South African Drum (Sciaenidae), *Argyrosomus japonicus* and *A. inodorus*.” (Oral), Early Life History Section, AFS. Miami FL, June 2013.

Deary AL* and EJ Hilton. 2013. “Development of the pharyngeal jaws in the drums (Sciaenidae) of the Chesapeake Bay with comparisons to other members of the family.” (Oral), Early Life History Section, AFS. Miami FL, June 2013.

Deary AL* and EJ Hilton. 2012. “Development of the pharyngeal jaws in the drums (Sciaenidae) of the Chesapeake Bay.” (Oral), ASIH. Vancouver Canada, August 2012.

Deary AL* and EJ Hilton. 2012. “Functional morphology in early life history stage drums (Family Sciaenidae) of the Chesapeake Bay: comparison of diet and lever mechanics of the lower jaw during ontogeny.” (Oral), Early Life History Section, AFS. Bergen Norway, July 2012.

Deary AL* and EJ Hilton. 2012. “Development of the pharyngeal jaws in the drums (Sciaenidae) of the Chesapeake Bay with comparisons to other members of the family.” (Poster), Early Life History Section, AFS. Bergen Norway, July 2012.

- Deary AL*** and EJ Hilton. 2012. “Comparison of lower jaw levers in the oral jaws of early life history stage drums (Family Sciaenidae) of the Chesapeake Bay.” (Oral), Society of Integrative and Comparative Biology. Charleston SC, January 2012.
- Deary AL*** and EJ Hilton. 2011. “Jaw morphology, diet, and habitat use of larval drums (Sciaenidae).” (Oral), ASIH. Minneapolis MN, July 2011.
- Deary AL*** and EJ Hilton. 2011. “Diet and habitat use of larval drums (Sciaenidae) in the Chesapeake Bay: Relationship to the development of the oral jaws with comparisons to the freshwater drum, *Aplodinotus grunniens*.” (Oral), Early Life History Section, AFS. Wilmington NC, March 2011.
- Deary AL*** and EJ Hilton. 2011. “Comparative Ontogeny of the Oral Jaws in the Drums (Sciaenidae) of Chesapeake Bay and its Relationship to Diet and Habitat Use.” (Oral), Tidewater Chapter, AFS. Gloucester Point VA, March 2011.
- Deary AL*** and EJ Hilton. 2011. “Comparative Ontogeny of the Oral Jaws in the Drums (Sciaenidae) of Chesapeake Bay and a Freshwater Species, *Aplodinotus grunniens*: Relationship to Diet and Habitat Use.” (Poster), ASLO Aquatic Sciences Meeting. San Juan Puerto Rico, February 2011.
- Deary AL*** and EJ Hilton. 2010. “Comparative Ontogeny of the Oral Jaws in the Drums (Sciaenidae) of Chesapeake Bay: Relationship with Diet and Habitat Use.” (Poster), ASIH. Providence RI, July 2010.
- Deary AL***, S Moret, M Engels, E Zettler, G Jaroslow, and G Sancho. 2010. “Hydrographic characterization of habitat for two tuna species in the Central Equatorial Pacific Ocean.” (Oral), Tidewater Chapter Meeting, AFS. Annapolis MA, March 2010.
- Deary AL***, S Moret, M Engels, E Zettler, G Jaroslow, and G Sancho. 2010. “Influence of Central Pacific hydrographic conditions on the equatorial habitat of two tuna species.” (Oral), ASLO Ocean Sciences Meeting. Portland OR, February 2010.
- Deary AL*** (Undergraduate). 2008. “Diversity of Alaskan Sponges.” (Oral), NOAA Hollings Scholarship Conference. NOAA Headquarters, Silver Springs MD, August 2008.
- Deary AL*** (Undergraduate) and Brian Kennedy* (Undergraduate). 2007. “Sonar Characterization of Relict Meandering River Channel in the Mid-Continental Shelf.” (Poster) Southeastern Geological Society of America 56th Annual Meeting. Savannah GA, March 2007.

MENTORING:

2015-Present, Co-advisor for MS student at USM, Department of Coastal Sciences
 2015-2016, Mentor for NOAA-Northern Gulf Institute (NGI) Diversity Intern
 2014-2015, Mentor Thomas Nelson Community College Student in VIMS Larval Fish Collection
 2013-2014, Mentor for high school student in VIMS Aquarium for Senior Research Project
 2011-2013, Oceanographer Research Mentor for Thomas Nelson Community College Marine Science Students

REVIEWER FOR:

Marine Biology
Acta Zoologica
Northeastern Naturalist

AFFILIATIONS WITH PROFESSIONAL SOCIETIES:

Early Life History Section, American Fisheries Society; Co-Chair of Early Career Committee
American Society of Ichthyologists and Herpetologists
American Fisheries Society

SKILLS:

- Proficient in R, Amira, Adobe Photoshop and Illustrator CS5.1, Ocean Data View4, Mesquite, Microsoft Word, Microsoft Powerpoint and Microsoft Excel
- Basic understanding of ArcGIS and MorphoJ
- Larval identification and taxonomy skills for East Coast and northern Gulf of Mexico (USA) fishes
- Taxonomy and identification skills for fishes in the Gulf of Alaska and Bering Sea

REFERENCES:

1. Frank J. Hernandez (Current Supervisor)
University of Southern Mississippi
703 E. Beach Drive
Ocean Springs, MS 39564
Phone: (228) 818-8800
Email: frank.hernandez@usm.edu
2. Eric J. Hilton
Virginia Institute of Marine Science, College of William and Mary
PO Box 1346
1375 Greate Rd.
Gloucester Point, VA 23062
Phone: (804) 684-7178
Email: ehilton@vims.edu
3. Gorka Sancho
Grice Marine Laboratory, College of Charleston
205 Fort Johnson Rd.
Charleston, SC 29412
Office Phone: (843) 953-9194
Cell Phone: (843) 530-1718
Email: sanhog@cofc.edu
4. Jay Orr
Groundfish Assessment Program
Resource Assessment and Conservation Engineering Division

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7600 Sand Point Way N.E., Building 4
Seattle, Washington 98115
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