

## **Biology and Marine Biology Graduate Student Annual Report 2008-2009 Academic Year**

### **Presentations at scientific meetings:**

#### **Laura Bagge**

Bagge, L.E., McLellan, W.A., Koopman, H.N., McAlarney, R.J., Nilsson, P.B., Blum, J.E., and Pabst, D.A. Thermal properties of the blubber of adult female short-finned pilot whales (*Globicephala macrorhynchus*). Evolution Learning Community Conference, March 2009.

Bagge, L.E., McLellan, W.A., Koopman, H.N., McAlarney, R.J., Nilsson, P.B., Blum, J.E., and Pabst, D.A. Thermal properties of the blubber of adult female short-finned pilot whales (*Globicephala macrorhynchus*). Southeast and Mid-Atlantic Marine Mammal Symposium, April 2009.

**Award: Best student poster (Master's category)**

Bagge, L.E., McLellan, W.A., Koopman, H.N., McAlarney, R.J., Nilsson, P.B., Blum, J.E., and Pabst, D.A. Thermal properties of the blubber of adult female short-finned pilot whales (*Globicephala macrorhynchus*). Sigma Xi, UNCW Chapter meeting, April 2009.

#### **Cory Dashiell**

Dashiell, C. L., and Bailey, J.C. New observations on the biology of eustigmatophytes, with a description of *Microtalis* gen. nov. Phycological Society of America, July, 2008.

#### **Joe Facendola**

Facendola, J., and Scharf, F. Predation by juvenile red drum (*Sciaenops ocellatus*) on blue crabs (*Callinectes sapidus*): estimation of daily ration and seasonal variation in the contribution of blue crab to the diet. American Fisheries Society national meeting, August, 2008.

Facendola, J., and Scharf, F. Predation by age-0 red drum on juvenile blue crabs: Estimation of daily ration and ontogenetic variation in the contribution of blue crab to the diet. Tidewater chapter of the American Fisheries Society annual meeting, March, 2009.

Facendola, J., and Scharf, F. Predation on blue crab by juvenile red drum: estimation of daily ration and seasonal variation to the diet. North Carolina fisheries Forum, March, 2009.

#### **Julia Jenkins**

Shafer, T.H., Knapp, W.E., and Golus, J.M. A new family of crustacean cuticle proteins possibly related to mineralization of pre-exuvial cuticle. Society for Integrative and Comparative Biology, January, 2009.

### **Ana Jimenez**

Ana G. Jimenez, Stephen T. Kinsey, Richard Dillaman, and Donald F. Kapraun, Nuclear genome size variation implicated in decapod crustacean muscle fiber hypertrophic growth, Darwin's legacy student conference in Wilmington, NC, March 2009

Ana G. Jimenez and Stephen T. Kinsey. Reduced cost of Na<sup>+</sup>-K<sup>+</sup> pump activity in large muscle fibers of the lobster, *Homarus americanus*, Annual Society of Integrative and Comparative Biology meeting in Boston, MA, January 2009

Ana G. Jimenez, Stephen T. Kinsey, Richard Dillaman, and Donald F. Kapraun, Nuclear genome size variation implicated in decapod crustacean muscle fiber hypertrophic growth, Annual Society of Integrative and Comparative Biology meeting in Boston, MA, January 2009

### **Amanda Kahn**

Wavelength-specific photosynthetic responses of the seagrass *Halophila johnsonii* from marine versus riverine influenced habitats. Kahn A. E., Durako, M. J. S.E. Estuarine Res. Soc. Semi-Annual Meeting, Nov. 13-15, 2008, Tampa, FL. \*\*\*\* **Received Best Graduate Student Presentation Award**

Diurnal tidal responses of the seagrass *Halophila johnsonii* physiology in a riverine versus marine influenced habitat. Kahn A. E., Beal, J. L., Durako, M. J. S.E. Estuarine Res. Soc. Semi-Annual Meeting, Nov. 13-15, 2008, Tampa, FL.

### **Hillary Lane**

Lane, H., and Koopman, H. Ontogenetic and temporal variation in the nutritional quality of Atlantic herring (*Clupea harengus*) from the Bay of Fundy, Canada. Annual meeting of the Tidewater chapter of the American Fisheries Society, March, 2009.

### **Wai Leong**

Leong, W. and Pawlik, J. R. Patterns of resource allocation in Caribbean coral reef sponges. Benthic Ecology Meeting, March, 2009.

Leong, W. and Pawlik, J. R. Sexual reproduction and growth form: trade-offs in two species of *Callyspongia* from Florida. Duke University Marine Lab, November, 2008.

Leong, W. and Pawlik, J. R. Is there a trade-off between reproduction and defense in reef sponges? 11<sup>th</sup> International Coral Reef Symposium, July, 2008.

### **Thiago Lima**

Lima, T., McCartney, M.A., and Yund, P.O. Results from a blue mussel hybrid zone question the role of M7 lysin as a speciation gene. ELC Darwin's legacy, March 2009.

### **Jessica Lisa**

Lisa, J., Song, B. Molecular Detection of Anammox Bacteria in the New River Estuary. South Eastern Estuarine Research Society. March 2009.

### **Tse-Lynn Loh**

Loh, T.L., Pawlik, J.R. Investigating the association between the Caribbean Orange Icing Sponge and scleractinian corals- An uneasy truce? Darwin's Legacy: Evolution's Impact on Science and Culture, UNC Wilmington, North Carolina, March, 2009

Loh, T.L., Pawlik, J.R. Investigating the association between the Caribbean Orange Icing Sponge and scleractinian corals- Friend or foe? Benthic Ecology Meeting, Corpus Christi, Texas, March, 2009

Loh, T.L., Pawlik, J.R. Investigating the association between the Orange Icing Sponge and Caribbean corals. Duke University Graduate Student Symposium, Duke University Marine Laboratory, Beaufort, North Carolina, November, 2008

Loh, T.L., Pawlik, J.R. The association between the Orange Icing Sponge and Caribbean corals- More than a mutualism? 11<sup>th</sup> International Coral Reef Symposium, Fort Lauderdale, Florida, July, 2008

### **Cassie Martin**

Martin, C., and Scharf, F. Intracohort variation in vital rates of age-0 juvenile red drum (*Sciaenops ocellatus*): testing for selective mortality during winter. American Fisheries Society, August, 2008.

Martin, C., and Scharf, F. Intracohort variation in vital rates of age-0 juvenile red drum (*Sciaenops ocellatus*): testing for selective mortality during winter. Tidewater chapter of the American Fisheries Society, March, 2009.

### **Janie McAuliffe**

McAuliffe, J. and Lankford, T. The effects of residential development and water pollution on fish community structure and nursery function of saltmarsh tidal creeks in Southeastern North Carolina. Southeastern Estuarine Research Society (SEERS), March, 2009.

McAuliffe, J. and Lankford, T. The effects of residential development and water pollution on fish community structure and nursery function of saltmarsh tidal creeks in Southeastern North Carolina. 23<sup>rd</sup> Annual Meeting of the Tidewater Chapter of the American Fisheries Society, March, 2009.

McAuliffe, J., Perillo, A., Destefano, H., and Lankford, T. Fish nursery function of alternative estuarine habitats in southeastern North Carolina. Darwin's Legacy: Evolution's Impact on Science and Culture Student Conference, March 2009.

### **Caitlin McKinstry**

McKinstry, C.A.E., Westgate, A.J., and H.N. Koopman. Breakfast of Champions: A preliminary analysis of the annual variation in energy content and lipid composition of the copepod, *Calanus finmarchicus* from the Bay of Fundy, Canada . Southeast and Mid-Atlantic Marine Mammal Symposium, March, 2009.

### **Pedro Medina-Rosas**

Medina-Rosas, P. Reef Corals of Clipperton Atoll, Eastern Pacific. 11th International Coral Reef Symposium. Fort Lauderdale, Florida. July 2008.

Carpizo-Ituarte, E., H. Reyes-Bonilla, A. Cupul-Magaña, A. López-Pérez, P. Medina-Rosas, H.E. Chávez-Romo, P. Rodríguez-Troncoso, V. Vizcaino-Ochoa, M. Mora-Pérez, G. Leyte-Morales, L.E. Calderónaguilera, G. Chi-Barragán, O. Tapia-Vázquez . Sexual reproduction of hermatypic corals along the Mexican Pacific coast. 11th International Coral Reef Symposium. Fort Lauderdale, Florida. July 2008.

Paz-García, D.A., F. Correa-Sandoval, H.E. Chávez-Romo, H. Reyes-Bonilla, R.A. López-Pérez, P. Medina-Rosas, M.P. Hernández-Cortés. Genetic structure of the massive coral *Porites panamensis* (Anthozoa: Scleractinia) from the Mexican Pacific. 11th International Coral Reef Symposium. Fort Lauderdale, Florida. July 2008.

Chávez-Romo, H.E., F. Correa-Sandoval, D.A. Paz-García, H. Reyes-Bonilla, R.A. López Pérez, P. Medina-Rosas, M.P. Hernández-Cortés. Genetic structure of a scleractinian coral, *Pocillopora damicornis*, in the Mexican Pacific. 11th International Coral Reef Symposium. Fort Lauderdale, Florida. July 2008.

### **Lisa OGawa**

OGawa, L.M., D.R. Blanc-Goldhammer, E.L. Adams, and M. van Tuinen. A first molecular phylogenetic study of grebes (Aves: Podicipedidae). American Ornithologists' Union Conference, August, 2008.

OGawa, L.M., D.R. Blanc-Goldhammer, E.L. Adams, and M. van Tuinen. A first molecular phylogenetic study of grebes (Aves: Podicipedidae). Darwin's Legacy Conference, March, 2009.

### **Marina Piscitelli**

Piscitelli, M., McLellan, W., Rommel, S., and Pabst, D.A. Comparing lung size in shallow (*T. truncatus*) and deep (*Kogia* spp.) diving cetaceans. Society for Integrative and Comparative Biology, January 2009, Southeast and Mid-Atlantic Marine Mammal Conference, April 2009.

### **Michael Polito**

Polito, M.J., Miller, A.K., Trivelpiece, S.G., and Trivelpiece W.Z. Effects of female age, breeding experience and laying date on clutch and egg size in the Adélie penguin (*Pygoscelis adeliae*). Duke University Marine Lab Graduate Student Research Symposium, November 2008

Polito, M.J., Miller, A.K., Trivelpiece, S.G., and Trivelpiece W.Z. Effects of female age, breeding experience and laying date on clutch and egg size in the Adélie penguin (*Pygoscelis adeliae*).  
UNCW "Darwin's Legacy" student conference March 2009

### **Carly Randall**

Randall, C. and Szmant, A. The Effects of Elevated Sea Surface Temperatures on *Acropora palmata* larval survival and development. International Coral Reef Symposium, July, 2008.

### **Victor Schmidt**

Schmidt, V., McCartney, M. The evolution of gamete incompatibility in a blue mussel hybrid zone.  
Society for Integrative and Comparative Biology, January 2009.

Schmidt, V., McCartney, M. Sexual conflict may drive speciation in a blue mussel hybrid zone. Darwin's Legacy Conference, UNCW. March 2009.

### **Mark Sherman**

M. Sherman, A.E. Wilbur. Genetic Structure of Bay Scallop Populations in North Carolina Coastal Waters.  
101<sup>st</sup> Annual National Shellfish Association Meeting. March, 2009.

M. Sherman, A.E. Wilbur, D. Schmidt. A Genetic Assessment of Bay Scallop Populations in Bogue Sound, North Carolina. International Conference on Shellfish Restoration. November, 2008

### **Jessica Snoddy**

Snoddy, J., Landon, M., Blanvillain, G., and Southwood, A. Physiology and post-release mortality of sea turtles released from gillnets in the lower Cape Fear River, NC. North Carolina Sea Turtle Project Annual Meeting, March, 2009.

### **Christy Visaggi**

Visaggi, C., Kelley, P., and Hansen, T. Latitudinal variation in shell thickness and drilling predation on Recent *Hemimactra* of the Eastern U.S. Geological Society of America, October, 2008.

Visaggi, C., Burzynski, G., Kemble, J., Ofalt, K., White, S., and Kelley, P. Ecological structure of the molluscan fauna of the Plio-Pleistocene Caloosahatchee Formation of Florida, Geological Society of America, October, 2008.

Kelley, P., Visaggi, C., Boggs, J., Cuff, M., Green, G., Keirn, M., Raymer, R., Smith, B., and Dietl, G. Outcrop-scale variation in drilling predation in the lower Waccamaw Formation of southeastern North Carolina, Geological Society of America Southeastern Section, March, 2009.

*\*Co-authored 12 additional abstracts for GSA Southeastern Section, March, 2009.*

Visaggi, C., Kelley, P., Boggs, J., Cuff, M., Green, G., Keirn, M., Raymer, R., Smith, B., and Dietl, G., Outcrop-scale variation in drilling predation in the Lower Waccamaw Formation of Southeastern North Carolina, Darwin's Legacy: Evolution's Impact on Science and Culture, March, 2009.

Visaggi, C., Dietl, G., Kelley, P., Lambert, J., Poole, J., Selders, K., and Toledo, J., Concordance in rank-order abundance of living and death assemblages of mollusks from a North Carolina tidal flat, Darwin's Legacy: Evolution's Impact on Science and Culture, March, 2009.

*\*Co-authored 5 additional abstracts for Darwin's Legacy, March, 2009.*

### **Papers:**

#### **Brian Balmer**

Balmer, B., Wells, R., Nowacek, S., Nowacek, D., Schwacke, L., McLellan, W., Rowles, T., Hansen, L., Spradlin, T., and Pabst, D. 2008. Seasonal abundance and distribution patterns of common bottlenose dolphins (*Tursiops truncatus*) near St. Joseph Bay, Florida, USA. *J. Cetacean Res. Manage.* 10(2): 157-167.

#### **Cory Dashiell**

Bailey, J. C., McElhinney, A., Tatters, A., Dashiell, C., Tomas, C. 2009. Systematics of Goniochloris, with a description of the Goniochloridaceae fam. nov. (Eustigmatophyceae, Heterokontophyta). *Journal of Phycology*. (Selected for Publication)

#### **Lisa Goshe**

Goshe, L.R., Avens, L., Bybee, J., and Hohn, A.A. (in prep.). An evaluation of histological techniques used in skeletochronological age estimation of sea turtles.

#### **Ying Fang**

Fang Y., Pinsky, M., Newsome S., Hadly E., and van Tuinen M. Population genetics of Northern Fur Seals (*Callorhinus ursinus*) using ancient DNA. SEAMAMMS – Southeast and Mid-Atlantic Marine Mammal Symposium, April, 2009

Fang Y., and van Tuinen M. Historical population genetics of Northern Fur Seals (*Callorhinus ursinus*) in Aleutian Islands, Evolution Learning Community – Darwin's legacy in UNCW, March, 2009.

#### **Kristin Hardy**

Hardy, K.M., Dillaman, R.M., Locke B.R. and Kinsey, S.T. 2009. Reaction-diffusion constraints influence cellular design during growth in an extreme skeletal muscle system. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* doi:10.1152/ajpregu.00076.2009.

Hardy, K.M. Lema, S.C, and Kinsey, S.T. 2009. The effect of diffusion on skeletal muscle fiber design: a comparative analysis of the brachyuran family Portunidae. *Marine Biology* (in press).

### **Ana Jimenez**

Jimenez, A.G., Locke B.R. and Kinsey, S.T. The influence of oxygen and high-energy phosphate diffusion on metabolic scaling in three species of tail-flipping crustaceans. *Journal of Experimental Biology*. 211: 3214-3225.

Jimenez, A.G., Dillaman, R., Kinsey, S.T. and Kapraun, D.F. Nuclear genome size variation implicated in decapod crustacean muscle fiber hypertrophic growth (in prep)

Jimenez, A.G. and Kinsey, S.T. Reduced cost of Na<sup>+</sup>-K<sup>+</sup> pump activity in large muscle fibers of the lobster, *Homarus americanus*. (in prep)

### **Amanda Kahn**

Kahn, A. E., Durako, M. J., 2009. Photosynthetic tolerances to desiccation of the co-occurring seagrasses *Halophila johnsonii* and *Halophila decipiens*. *Aquatic Botany* 90: 195-198.

Kahn, A. E., Durako, M. J. 2008. Photophysiological responses of *Halophila johnsonii* to experimental hyposaline and hyper-CDOM conditions. *J. Experimental Marine Biology and Ecology* 367: 230-235.

### **Jessica Lisa**

Witty M, Nickles J, Lisa J and Tiedemann J (2008). Ecology, DNA and the future of Microbial Source Tracking. *Water, Air and Soil Pollution*; accepted for publication.

### **Tse-Lynn Loh**

Loh, T.-L., Pawlik, J.R. 2009. Bitten down to size: Fish predation determines growth form of the Caribbean coral reef sponge *Mycale laevis*. *Journal of Experimental Marine Biology and Ecology*. In press.

### **Pedro Medina-Rosas**

Calderón A., L.E., H. Reyes B., R.A. López Pérez, A.L. Cupul Magaña, M.D. Herrero Perezrul, J.D. Carriquiry y P. Medina Rosas. 2009. Fauna asociada a arrecifes coralinos del Pacífico Mexicano. *Ciencia y Desarrollo*.

Chávez-Romo, H.E., F. Correa-Sandoval, D.A. Paz-García, H. Reyes-Bonilla, R.A. López-Pérez, P. Medina-Rosas, M.P. Hernández-Cortés. In press. Genetic structure of the scleractinian coral, *Pocillopora damicornis*, from the Mexican Pacific. *Proceedings of the 11th International Coral Reef Symposium*, Ft. Lauderdale, Florida.

LaJeunesse T., R. Smith, M. Walther, D. Pettay, M. McGinley, M. Aschaffenburg, P. Medina-Rosas, A. Cupul-Magaña, A. López-Pérez, H. Reyes-Bonilla, M. Warner. Submitted. Host-symbiont recombination vs. natural selection in the response of coral-dinoflagellate symbioses to environmental disturbance. *Proceedings of the National Academy of Sciences of the United States of America*.

Reyes Bonilla, H., L.E. Calderón Aguilera, G. Cruz Piñón, R.A. López Pérez y P. Medina Rosas. Submitted. Evaluación de la diversidad gama de corales arrecifales (Scleractinia) en el Pacífico de México. *Revista Mexicana de Biodiversidad*.

### **Michael Polito**

Polito, M.J., Miller, A.K., Trivelpiece, S.G., and Trivelpiece W.Z. (In Review) Effects of female age, breeding experience and laying date on clutch and egg size in the Adélie penguin (*Pygoscelis adeliae*). *Ibis*

Polito M.J., Fisher S., Tobias C.R., and Emslie, S.D. 2009. Tissue-specific isotopic discrimination factors in gentoo penguin (*Pygoscelis papua*) egg components: Implications for dietary reconstructions using stable isotopes. *Journal of Experimental Marine Biology and Ecology*, 372(1-2):106-112

Strickland M.E., Polito M.J., and Emslie, S.D. 2008. Spatial and seasonal variation in Adélie penguin diets as inferred from stable isotope analysis of eggshell. *Journal of the North Carolina Academy of Science*, 124(3): 65-71

### **Carly Randall**

Randall, C. J., and Szmant, A. M. 2009. Elevated temperature reduces survivorship and settlement of the larvae of the Caribbean scleractinian coral, *Favia fragum* (Esper). *Coral Reefs*.

### **Samantha Schmitt**

Freshwater, D.W. and Schmitt, S. (Submitted 2009). Utility of FTA cards for the preservation of marine green and red algal DNA. *Journal of the North Carolina Academy of Sciences*. In review.

### **Jessica Snoddy**

Snoddy, J., Landon, M., Blanvillain, G., and Southwood, A. (in press) Blood Biochemistry of Sea Turtles Captured in Gillnets in the Lower Cape Fear River, North Carolina, USA. *Journal of Wildlife Management*.

### **Christy Visaggi**

Yanes, Y. and Visaggi, C. (In Review). Feeding behavior and predatory preferences of *Lirabuccinum dirum* (Buccinidae) upon limpets under experimental control. *Journal of Shellfish Research*. 27 p.

Visaggi, C., Johnson, J., Johnson, A., Kenworthy, J., and Santucci, V. (In Revision). Amistad National Recreation Area Paleontological Survey. *Technical Reports, Geological Resources Division, National Park Service*. 80 p.

Visaggi, C. and Godfrey, S. (In Press). Variation in composition and abundance of Miocene shark teeth from Calvert Cliffs, Maryland. *Journal of Vertebrate Paleontology*. 37 p.

Visaggi, C. 2009. Starting from Scratch: WiSE Women at UNCW. *Gaea* 32(1):10-11,13.

Alroy, J., Aberhan, M., Bottjer, D., Foote, M., Fürsich, F., Harries, P., Hendy, A., Holland, S., Ivany, L., Kiessling, W., Kosnik, M., Marshall, C., McGowan, A., Miller, A., Olszewski, T., Patzkowsky, M., Peters, S., Villier, L., Wagner, P., Bonuso, N., Borkow, P., Brenneis, B., Clapham, M., Fall, L., Ferguson, C., Hanson, V., Krug, A., Layou, K., Leckey, E., Nürnberg, S., Powers, C., Sessa, J., Simpson, C., Tomašových, A., and Visaggi, C. 2008. Phanerozoic trends in the global diversity of marine invertebrates. *Science*. 321(5885):97-100.

### **Carlos Zavalaga**

Zavalaga, C. B., S. Taylor, G. Dell’Omo, D. J. Anderson, and V. Friesen. (In Press). Sexual size dimorphism in Peruvian boobies: voice and size as traits for sex recognition. *Wilson Journal of Ornithology*.

Zavalaga, C. B., J. Halls, G. Dell’Omo, G. P. Mori, and S. Taylor. (In Press). At-sea movement patterns and diving behavior of Peruvian Boobies *Sula variegata* in northern Peru. *Marine Ecology Progress Series*.

Zavalaga, C. B., and R. Paredes. (In Press). Records of Magellanic penguins (*Spheniscus magellanicus*) in Peru. *Marine Ornithology*.

Zavalaga, C. B., G. Engblom, J. Alfaro-Shigueto, J. Mangel. (In press). Immature Northern Giant Petrels (*Macronectes halli*) visiting the coast of Peru. *Marine Ornithology*.

Zavalaga, C. B., J. Hardesty, G. P. Mori, A. Tello, C. Chavez. 2009. Current status of Peruvian Terns *Sternula lorata* in Peru: threats, conservation and research priorities. *Bird Conservation International* 19:175-186.

Zavalaga, C.B., M. Plenge and A. Bertolero 2008. The breeding biology of the Peruvian tern (*Sternula lorata*) in Peru. *Waterbirds* 31:550-560.

Zavalaga, C.B., M. Plenge and A. Bertolero 2008. Nesting habitat and numbers of Peruvian terns (*Sternula lorata*) at five locations in southern-central Peru. *Ornitologia Neotropical* 15:587-594

Zavalaga, C.B., S. Benvenuti, L. Dall’Antonia and S. Emslie. 2008. Foraging areas of breeding blue-footed boobies as determined by direction recorders. *Journal of Avian Biology* 39: 405-412.

Smith, K.M. W.B. Karesh, P. Majluf, R. Paredes, C.B. Zavalaga, A. Hoogesteijn, M. Stetter, W. Emmett, H. Braselton and R.A. Cook. 2008. Health evaluation of free ranging Humboldt penguins in Peru. *Avian Diseases* 52:130-135.

### **Awards and Recognitions:**

#### **Joseph Facendola**

- American Fisheries Society student travel award

#### **Ying Fang**

- The Ralph Brauer Graduate Student Fellowship, UNCW

**Kristin Hardy**

- Lewis/Wiley Alumni Fellowship

**Julia Jenkins**

- Nominated for the Graduate Teaching Assistant Award

**Ana Jimenez**

- Nominated for a departmental teaching award

**Hillary Lane**

- Second best student paper at the annual meeting of the Tidewater Chapter of the American Fisheries Society, March, 2009.

**Wai Leong**

- Frances Peter Fensel Memorial Scholarship

**Jessica Lisa**

- SEERS Travel Award
- American Microbiology Society Travel Award

**Lisa OGawa**

- Owen Graham Kenan Scholarship

**Marina Piscitelli**

- Best Master's Talk award at the Southeast and Mid-Atlantic Marine Mammal Conference

**Michael Polito**

- 2nd Runner Up – Best Oral Presentation Duke University Marine Lab Graduate Student Research Symposium, November 2008

**Carly Randall**

- Working with Marine Quest, Oceans Camp, this summer followed by a move to Pensacola Florida.

**Mark Sherman**

- Honorable Mention in the Gordon Gunter scientific poster award competition
- Biology and Marine Biology Departmental Graduate Teaching Award
- UNCW Graduate Teaching Award
- BioGSA Travel Award
- GSA Travel Award

**Christy Visaggi**

- Cornerstone Distinguished Service Award (UNCW)
- Campus Recreation Exemplary Service Award (UNCW)

## **Grants applied for:**

### **Brian Balmer**

- National Estuarine Research Reserve System Graduate Research Fellowship

### **James Casey**

- The David G. Lindquist Scholarship in Biology
- The Graduate School Summer Stipend Award

### **Cory Dashiell**

- Ralph Brauer Graduate Student Fellowship
- CMS Summer Stipend
- Graduate School Summer Stipend

### **Julia Jenkins**

- Sigma Xi Grants in Aid of Research

### **Thiago Lima**

- Lerner-Gray fund for marine research
- SICB - Libbie H. Hyman memorial scholarship
- Sigma Xi-Grants-in-aid of research programs

### **Jessica Lisa**

- NOAA Marine Debris Prevention and Removal. May 2008. Model Shore Communities: Plastic Pollution Prevention
- NOAA Marine Debris Prevention and Removal. May 2008. Model Bait Shops: Bring Your Own Bait Bucket Campaign

### **Tse-Lynn Loh**

- Dr. Ralph W. Brauer Fellowship
- Lerner Gray Fund for Marine Research
- Smithsonian Tropical Research Institute Short-Term Fellowship

### **Janie McAuliffe**

- Charles L. Cahill Award (Co-Primary Investigator)
- Got-Em-On Live Bait Club Scholarship
- UNCW Professional Development Program-Graduate School Summer Research Award (In Review)
- UNCW Center for Marine Science Summer Research Award (In Review)
- Lerner-Gray Grants for Marine Research (In Review)
- UNCW Department of Biology and Marine Biology Grants and Fellowships (In Review):
  - Frances Peter Fensel Memorial Fellowship
  - John Colucci Jr. Memorial Scholarship
  - David G. Lindquist Scholarship in Biology

### **Caitlin McKinstry**

- SICB's Libbie H. Hyman Memorial Scholarship

- Sigma Xi's Grant-in-Aid of Research

**Victor Schmidt**

- UNCW graduate school stipend
- UNCW CMS summer stipend

**Samantha Schmitt**

- Hannah T. Croasdale Fellowship-Phycological Society of America
- Friday Harbor Laboratory-University of Washington tuition waiver
- Center for Marine Science Summer Research Stipend for Graduate Students
- UNCW Graduate School Summer Research Stipend

**Meagan Schrandt**

- Sigma Xi Grant-in-Aid of Research
- SICB Grant-in-Aid of Research
- Lewis/Wiley Alumni Endowed Fellowship

**Mark Sherman**

- CMS Summer Research Grant
- UNCW Summer Research Grant

**Christy Visaggi**

- American Malacological Society
- AMNH Lerner-Gray Fund for Marine Research
- Conchologists of America
- Geological Society of America
- Lewis & Clark
- National Geographic
- NOAA Nancy Foster Fellowship
- Paleontological Society
- UNCW Brauer Fellowship

**Carlos Zavalaga**

- Pacific Seabird Group Craig S. Harrison Conservation Fund
- American Bird Conservancy Conservation Fund.

**Grants received:**

**Cory Dashiell**

- Ralph Brauer Graduate Student Fellowship

**Julia Jenkins**

- Sigma Xi Grants in Aid of Research

**Tse-Lynn Loh**

- Dr. Ralph W. Brauer Fellowship

**Janie McAuliffe**

- Charles L. Cahill Award (Co-Primary Investigator)
- Got-Em-On Live Bait Club Scholarship

**Lisa OGawa**

- Graduate Student Association Travel Award
- Biology Graduate Student Association Travel Award
- Ralph Brauer Special Activities Fellowship

**Michael Polito**

- National Science Foundation (\$503,195) for "Stable Isotope Analyses of Pygoscelid Penguin Remains from Active and Abandoned Colonies in Antarctica." (Co-PI)

**Samantha Schmitt**

- Tropical Field Phycology Workshop student support grant
- Hannah T. Croasdale Phycological Society of America
- Friday Harbor Laboratory-University of Washington tuition waiver

**Meagan Schrandt**

- Lewis/Wiley Alumni Endowed Fellowship

**Christy Visaggi**

- Geological Society of America
- National Geographic
- UNCW Brauer Fellowship

*\*Three grants are currently being reviewed.*

**Ginger Winder**

- NERR Graduate Research Fellowship
- UNCW Brauer Award
- Eastern Bird Banding Association Research Award
- Sigma Xi GIAR

**Carlos Zavalaga**

- Pacific Seabird Group Craig S. Harrison Conservation Fund
- American Bird Conservancy Conservation Fund

**Any other information that you would like to share (for example, if you are graduating, where are you off to?):**

**Ying Fang**

- Enrolling in the Ph.D. program in Department of Biology, Texas A&M University

**Lisa Goshe**

- Graduating in May 2009 and returning to full-time as a biological technician in the NOAA Fisheries National Sea Turtle Aging Laboratory in Beaufort, NC.

**Kristin Hardy**

- I will be beginning a three year NOAA funded (Oceans and Human Health) post-doc at the Hollings Marine Lab (through the Medical University of South Carolina and the College of Charleston) September 1, 2009.

**Ana Jimenez**

- President of the Biology Graduate Student Association
- Attended Friday Harbor Laboratories Invert course in Summer 2008

**Hillary Lane**

- Graduating in May 2009 and then possibly going to Research Triangle Park to work at the EPA as a student services contractor.

**Wai Leong**

- Graduating May 2009 and heading off to the University of Southern California for PhD studies.

**Jessica Lisa**

- I am the Environmental Editor for Carolina Surf Magazine. Each issue I write about environmental concerns or facts – anything pertaining to the ocean. I have written about plastic pollution, stormwater runoff, and phytoplankton so far and welcome any ideas for new article topics!

**Cassie Martin**

- Moving to Los Angeles, CA, to work as a field sampler for Pacific States Marine Fisheries Commission.

**Caitlin McKinstry**

- Will be going to the Grand Manan Whale and Seabird Research Station this summer to collect data for thesis.

**Pedro Medina-Rosas**

- *Oceanicscapes*. Photo exhibition. Warwick Center. UNCW. February-April 2009.
- Another spawning field trip this summer down in Puerto Rico!

**Adriane Michaelis**

- Graduating in May 2009 and staying in Wilmington, working as a field biologist for Audubon NC.

**Marina Piscitelli**

- Graduating in May 2009. Will still be living in Dobo Hall working in the VABLAB and applying for PhD schools.

**Victor Schmidt**

- Will be Graduating in July 2009, currently applying for jobs, and will begin PhD searches soon after.

**Samantha Schmitt**

- Attended Southeast Psychological Society 2008 meeting.

- Attended the Tropical Field Phycology Workshop offered through the Smithsonian Tropical Research Institute located in Bocas del Toro, Panama.
- Marine Science graduate student, Nadya Mamoozadeh, and I collected tropical marine algae at the Keys Marine Lab in Long Key, Florida during the 2008 spring break.
- Wilson Freshwater, Nadya Mamoozadeh and I will be traveling with fellow phycological students and staff from Roger Williams University to Panama for the collection of marine algae.
- I will be attending the Friday Harbor Laboratory Marine Algae course offered this summer through the University of Washington.

#### **Meagan Schrandt**

- The following abstract was submitted for the UNCW Conference on Health and Related Sciences, 2008:

Lema, S. and Schrandt, M. 2008. Neuropeptide hormones and early life influences on aggression: Insights from comparative studies with fish.

#### **Christy Visaggi**

- Served as a mentor for the NSF Research Experience for Undergraduates in Biodiversity Conservation at UNCW (and shall continue in that role through the summer of 2010)
- Co-organized an international multi-disciplinary student conference among other events for the UNCW Evolution Learning Community
- Volunteered for SMEC at the Southeast Regional Science Fair and Science Olympiad
- Invited to give a research seminar at Lafayette College
- Guest Lecturer in Geology 337 at UNCW
- Student Representative for the Paleontological Society
- 2008 Ph.D. Representative for the Graduate Advisory Committee
- 2008 President of UNCW Women in Science & Engineering
- Advanced to Candidacy!

#### **Ginger Winder**

- I am traveling to KS, MO, ND and James Bay near Moosonee, Ontario to sample breeding populations of Nelson's Sharp-tailed Sparrow which we sample in our local NC marshes throughout the winter season.

#### **Carlos Zavalaga**

- I am currently working on several seabird projects in Peru, which include different topics in seabird ecology, evolution and conservation:
  - Diversification without obvious geographical barriers in Blue-footed boobies, Peruvian boobies and Peruvian Pelicans (2007-2009) Dr. Dave Anderson (Wake Forest University, US), Scott Taylor and Dr. Vicki Friesen (Queens University, Ontario, Canada).
  - At-sea distribution of Humboldt Penguins, Peruvian Pelicans, Peruvian Diving-petrels and Inca terns and areas of competition with artisanal fisheries (2008-2010) Dr. Giacomo Dell'Omo (Technosmart, Ornis italica, Italy), Joanna Alfaro (Pro-delphinus, Peru).

- Genetic structure of ticks at several colonies of seabirds (2009). Dr. Elena Gómez (Centre d'écologie fonctionnell et evolutive, CNRS-France).
- I was accepted as an Adjunct Professor in the Departments of Geography and Geology, and Biology and Marine Biology at UNCW.