

Department of Biology

Summary

The Department of Biology at the University of Louisiana at Lafayette assumed its current form in the late 1980s upon the merger of the Departments of Biology and Microbiology. In the spring semester of 2017, the faculty of the Department of Biology consisted of 28 professorial faculty members, 4 emeritus faculty members, and 8 instructors. Almost all professorial faculty members are active in research and 23 of our faculty serve as graduate faculty. Our graduate programs are supported by 7 adjunct faculty members; their affiliations include the United States Geological Survey, the National Oceanographic and Atmospheric Administration, and the Smithsonian Institution.

In this report, we summarize research accomplishments of our departmental faculty since 2011. Although the report focuses on research accomplishments, faculty members are accomplished in teaching and, consequently, attract funding for improving educational activities. We also briefly summarize the size and growth of our degree programs.

Grant productivity:

From 2011 through 2016, the faculty of the Department of Biology have secured over 18 million dollars of new research funding (the total amount of funding associated with these awards, which are often multi-institutional, is considerably higher).

Publications:

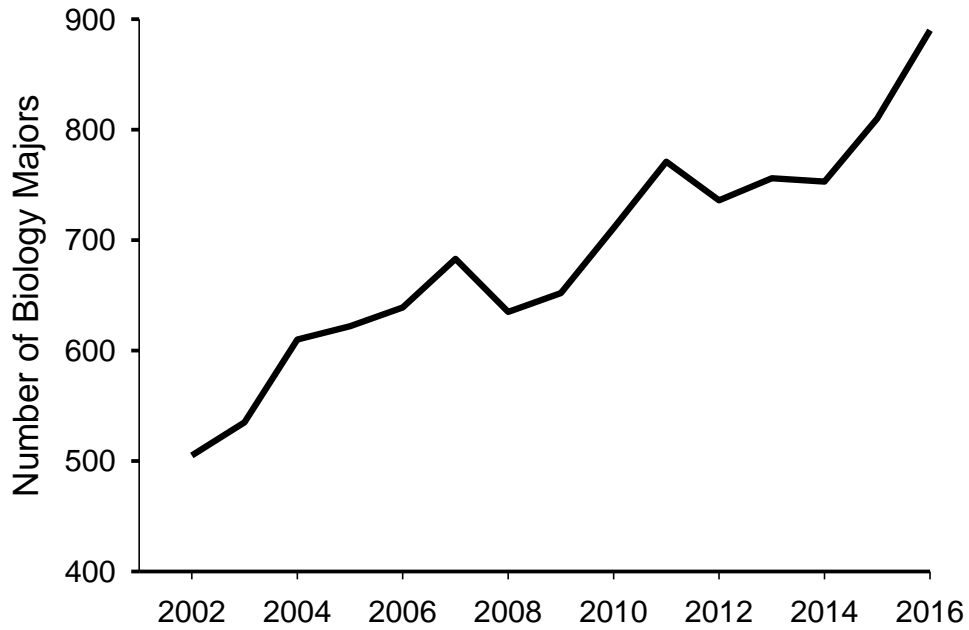
The faculty has a strong record of publication, with 305 papers published in peer-reviewed journals in the last 6 years. An additional 48 papers were published in conference proceedings or other edited volumes.

Other accomplishments:

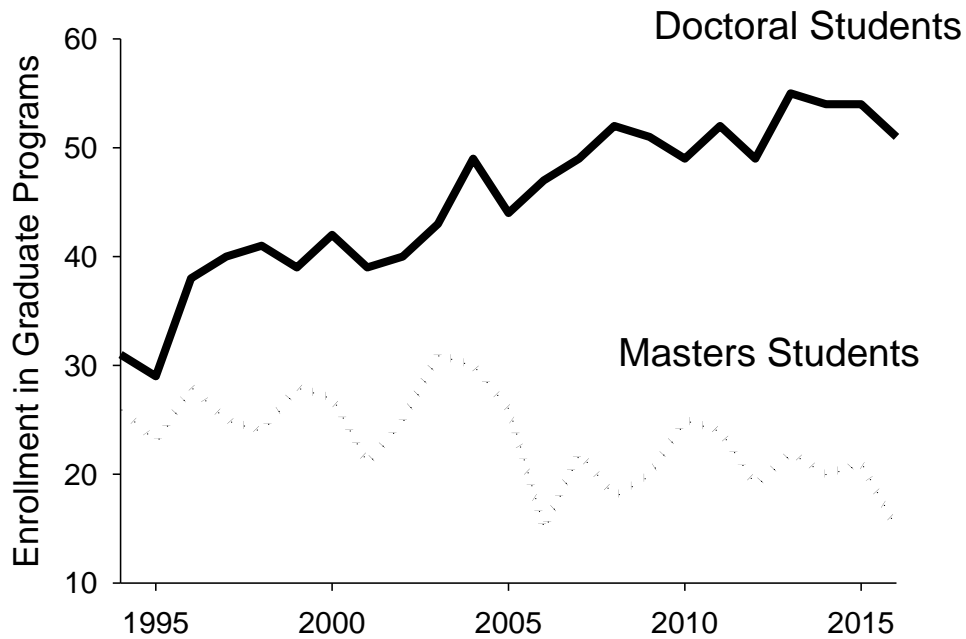
Other notable accomplishments between 2011 and 2016 include faculty authorship of three books and four edited volumes. Faculty members have served as editors, associate editors, or editorial board members for 29 different journals or as members of 12 society boards or grant review panels. They presented 141 presentations as keynote addresses or invited seminars.

Degree program enrollments:

Since 2002, enrollment in the undergraduate biology major has grown steadily. With 890 majors in fall semester of 2016, biology is one of the largest majors at the University of Louisiana at Lafayette.



The Department of Biology offers a Ph.D. degree program in Environmental and Evolutionary Biology (established in 1983), and a M.S. degree program in Biology (with a thesis and non-thesis track). In the fall semester of 2016, 15 M.S. students were enrolled in the program, a slight decrease over recent years. Enrollment in the Ph.D. program has been fairly steady in the last few years, with 51 students enrolled in the fall semester of 2016.



The doctoral program offered in Biology is the only doctoral program offered at a public university focused on Ecology and Evolution. This degree program is the second largest biology doctoral program in the State of Louisiana. In the last six years, 40 students have earned doctoral degrees in Environmental and Evolutionary Biology. During the same time period, 41 students have earned MS degrees.

Funding

External Funding

Albert, James

- NSF- REU 1520047-002 supplement to NSF-DEB 1354511. \$5,780 to UL Lafayette. 2016.
- NSF- REU 1520047-001 supplement to NSF-DEB 1354511. \$5,780 to UL Lafayette. 2015
- NSF-DEB: 1354511 Biodiversity: Discovery and Analysis: Collaborative Research: Historical biogeography of the primary freshwater fish clades of Central America. With P. Chakrabarty (PI, LSU). ULL award: \$274,478. 2014
- NSF-DEB 0741450, Biotic Surveys and Inventories Panel. Aquatic faunal survey of the Alto Purus National Park, Peru. PI, 2008-2012, \$382,057

Alciatore, Pegge

- National Science Foundation. Strengthening Teachers Education through Math & Science Scholars. PI, 2014-2019, \$1.2 million

Chistoserdov, Andrei

- PREPTECH LLC. Bacterial counts in skin samples collected and provided by Prep Tech. PI, 2015, \$8,819
- Louisiana EPSCoR. Improved production of biodiesel by oleaginous bacteria. PI, 2014-2015, \$10,000
- Gulf Research Initiative. The effect of sediment bioturbators on the biological degradation of petroleum in coastal ecosystems. Co-PI (**P. Klerks, PI**), 2012-2015, \$1,025,091
- Louisiana Board of Regents. Development and optimization of molecular ecology techniques for gas and oil industry-related applications. PI, 2008-2012, \$139,500

Chlan, Caryl

- Southern Regional Research Center cooperative research agreement. Plant resistance to fungal pathogens: Genetic Engineering Cotton and Corn for Enhanced Resistance to *Aspergillus flavus*. August 2013-July 2018. \$12,500. Graduate Student Summer Support: \$3,200
- United States Department of Agriculture, Agricultural Research Service, Southern Regional Research Center cooperative agreement. Plant Resistance to Fungal Pathogens: Efficacy and mechanism of action of potential antifungal peptides and characterization

of natural resistance to fungal infection. PI, 2013-2014, \$5000. Additional funding awarded August, 2014: \$7,500 for UL Lafayette plus \$1,500 for In–House costs at the SRRC.

- Board of Regents Support Fund (Enhancement Fund). High Throughput Rapid Analysis of Plant Tissues for Agricultural Applications. PI, 2013-2014, \$65,000
- U.S. Department of Agriculture / Agricultural Research Service cooperative research project. Studies of the interactions between a fungal pathogen, *Aspergillus flavus* and tobacco and cotton plants. PI, 2012, \$2,500
- National Science Foundation, Louisiana Experimental Program to Stimulate Competitive Research. Vicilin Genes from Wild Louisiana Legumes: A System to Study Novel Properties of Seed Storage Proteins. PI, 2011-2012, \$10,000
- U.S. Department of Agriculture / Agricultural Research Service cooperative research project. Development of Plastid Transformation Vectors. PI, 2009-2014, \$47,000
- USDA/ARS Aflatoxin Multicrop Working Group. Development of Plastid Vectors to Engineer cotton with Enhanced Resistance to *A. flavus*. PI, 2008-2012, \$15,265

Deaton, Lewis

- Louisiana Board of Regents pilot program. Development of a molecular genetics protocol to identify rat lungworm. PI, 2014-2015, \$10,000
- Louisiana Board of Regents enhancement program. Upgrading instrumentation for metal analysis in biological research and education at UL Lafayette. Co-PI (**P. Klerks, PI**), 2012-2013, \$72,262

DeRamus, Alan

- U.S. Department of Agriculture/Louisiana Natural Resources Conservation Service. Using BEHAVE principles to promote innovative conservation approaches to Louisiana livestock producers. PI, 2012-2014, \$141,555

Duke-Sylvester, Scott

- Royal Engineers and Consultants, LLC. S.M. Duke-Sylvester (PI, 1/3 summer month). 7/1/2016 to 7/1/2017. \$3,602.
- The Water Institute of the Gulf. Delta Management Review and Analysis. S. M. Duke-Sylvester (PI, 1 summer month) and J. Visser (co-PI). 6/1/2015 to 6/30/2016. \$30,169 total, \$15,000 to my lab
- The Water Institute of the Gulf. Coastal Master Plan Model Development and Application, Production Runs. J. Visser (PI) and S. M. Duke-Sylvester (coPI, 1 summer month). 6/1/2015 to 6/30/2017. 2017, \$71,681 total, \$30,000 to my lab
- The Water Institute of the Gulf. Phase I Modeling for Mid-Barataria Sediment Diversion: LAVegMod. PI, 2014-2015, \$4,573
- The Water Institute of the Gulf. Phase I Modeling for Mid-Breton Sediment Diversion: LAVegMod. PI, 2014-2014, \$4,858
- The Water Institute of the Gulf. Basin-Wide Model Development for the LCA Mississippi River Hydrodynamic and Delta Management Study. PI, 2014-2015, \$89,697
- The Water Institute of the Gulf. 2017 Master Plan Model Development and Application. Louisiana Coastal Protection and Restoration Authority. Co-PI (J. Visser PI), 2013-2017, \$279,478

- The Water Institute of the Gulf. Phase I Modeling for Lower Breton Sound Sediment Diversion: LAVegMod. Co-PI (J. Visser PI) 2013-2014, \$7,236
- The Water Institute of the Gulf. Phase I Modeling for Lower Barataria Sound Sediment Diversion: LAVegMod. Co-PI (J. Visser PI) 2013-2014, \$7,236
- The Water Institute of the Gulf. Phase I Modeling for Calcasieu Ship Channel Salinity Control Measures Project: LAVegMod. PI. 2013-2014, \$8,731.
- Louisiana Coastal Protection and Restoration Authority. Develop and Apply an Approach for Interfacing LAVegMod with Spatially Explicit Hydrodynamics Model. Co-PI (J. Visser PI) 2013-2014, \$31,257
- Louisiana Coastal Protection and Restoration Authority. LAVegMod Results for Point Au Fer Island and Cailleu Lake Landbridge. Co-PI (J. Visser PI) 2013-2014, \$31,257
- LA Board of Regents. Integrating Ecological and Evolutionary Theory to Understand the Epidemiology of Rapidly Evolving Viral Pathogens. PI: 2011-2014, \$112,488
- National Science Foundation. FESD Type II: A Delta Dynamics Callaboratory. PI, 2011-2016, \$198,546

Ennis, Don

- Bill and Melinda Gates Foundation. Grand Challenges in Global Health, Direct Intravital Imaging of Latent Mycobacterial Reservoirs Under Antibiotic Pressure, PI, 2013-2014, \$100,000
- NASA Space Life and Physical Sciences Division. Co-PI, The Effect of Microgravity on Mycobacteria. Co-PI, 2013, \$104,000 to PI for pilot studies, funding to UL Lafayette contingent on those results

Felder, Darryl

- U.S. Food and Drug Administration, Identification and barcoding of Global Commercially Marketed Decapod Crustaceans. **D. Felder** (PI), 2015-2016, (extension and augmentation), \$50,326.00
- Gulf Research Initiative-II. The effect of sediment bioturbators on the biological degradation of petroleum in coastal ecosystems, Co-PI (**P. Klerks PI**), 2012-2015, \$1,025,091
- J. Bennett Johnston Science Fund. Infrastructural/equipment support for Macondo/BP oil spill related laboratory research, Parts I and II. PI, 2012-2013, \$63,568
- Gulf Research Initiative-I. The Effects of the Macondo Oil Spill on Coastal Ecosystems: Shelf Macrobiota, PI, 2011-2015, \$644,930
- U.S. Food and Drug Administration. Taxonomic Identification and COI Sequencing of Global Commercially Marketed Decapod Crustaceans. PI, 2011-2014, \$126,647
- Gulf of Mexico Research Initiative. Stop-gap Sampling to assess the impact of the Deepwater Horizon Oil Spill on macroalgae and macrocrustaceans in the northern Gulf of Mexico. Co-PI (**S. Fredericq, PI**), 2011-2012, \$93,093
- National Science Foundation. RAPID: Impacts of the Deepwater Horizon crude oil spill on the diversity of macroalgae and macrocrustaceans inhabiting deepwater hard banks in the Northwest, NorthEast and SouthEast Gulf of Mexico, Co-PI (**S. Fredericq, PI**), 2010-2012, \$185,608

- National Science Foundation-DEB - Systematic Biology - Tree of Life Program. Phylogenetics of World Decapod Crustacea. PI, 2005-2011, \$572,000

France, Scott

- NOAA-OER/University Corporation for Atmospheric Research. CAPSTONE Expedition: Pacific Marine Monuments and Sanctuaries, Scott France (PI), 2015, \$23,885
- National Fish and Wildlife Foundation (NFWF). Development of a Method for DNA-based Identification of Black Corals from Skeleton Fragments, Scott France (PI), 2015, \$12,443
- NOAA Fisheries Auke Bay Laboratories. Development and Screening of RADseq loci for assessing parentage in *C. spiculifera* recruits. PI, 2014-15, \$5,000
- University Corporation for Atmospheric Research (NOAA-OER). Our Deepwater Backyard: Exploring Atlantic Canyons and Seamounts. PI, 2014, \$19,614
- Industrial Economics Incorporated Subcontract INOAA NRDA Process. Mississippi Canyon 252 Incident Deep-Water Coral Communities. PI, 2011, \$20,500
- Virginia Aquarium. DNA sequencing of stranded dolphin samples. Co-PI, 2011, \$8,000
- Continental Shelf Associates Subcontract on Boem Grant. Exploration and Study of Coral Communities of mid-Atlantic Deep-Water Canyons. PI, 2010-15, \$310,000

Fredericq, Suzanne

- National Science Foundation. Collaborative Research: ARTS: Integrative Research and Training in Tropical Taxonomy. (PI), 2015-2018, \$86,845
- National Science Foundation. REU suppl. Collaborative Research, RedToL - phylogenetic and genomic approaches to reconstructing the Red Algal (Rhodophyta) Tree of Life. CoPI, 2015, \$12,500, ULL award: \$6,250
- SURE/LA EPSCoR. A biodiversity study of red and green marine macroalgae emerging from rhodoliths collected offshore the Gulf of Mexico (with undergrad student Kailee Clinton). PI, 2014, \$4,500
- Louisiana Board of Regents/EPSCoR PFUND: Pilot study for innovative explorations of algal community diversity associated with the rhodolith ecosystem in the Northwest Gulf of Mexico, LA. PI, 2014, \$10,000
- National Science Foundation. REU suppl. Collaborative Research, RedToL - phylogenetic and genomic approaches to reconstructing the Red Algal (Rhodophyta) Tree of Life. Co-PI, 2014, \$12,500, \$6,250 to Fredericq lab.
- National Science Foundation. REU suppl. RUI: Collaborative Research: Marine algal diversity of Southern Central America. PI, 2013, \$6,250
- National Science Foundation. REU suppl. Collaborative Research, RedToL - phylogenetic and genomic approaches to reconstructing the Red Algal (Rhodophyta) Tree of Life. Co-PI, 2013, \$12,500, \$6,250 to Fredericq lab
- National Science Foundation. REU suppl. Collaborative Research, RedToL - phylogenetic and genomic approaches to reconstructing the Red Algal (Rhodophyta) Tree of Life. Co-PI, 2012, \$7,500, \$3,750 to Fredericq Lab
- National Science Foundation. REU suppl., RUI: Collaborative Research: Marine algal diversity of Southern Central America. PI, 2012, \$7,500

- Gulf of Mexico Research Initiative. The effects of the Macondo oil spill on coastal ecosystems. Co-PI (**D.L. Felder**, PI), 2011-2014, \$644,939
- Gulf of Mexico Research Initiative. Stop-gap Sampling to assess the impact of the Deepwater Horizon Oil Spill on macroalgae and macrocrustaceans in the Northern Gulf of Mexico. PI, 2011-2012, \$93,093
- National Science Foundation. REU suppl. RUI: Collaborative Research: Marine algal diversity of Southern Central America. PI, 2011, \$7,500
- National Science Foundation. REU suppl. Collaborative Research, RedToL - phylogenetic and genomic approaches to reconstructing the Red Algal (Rhodophyta) Tree of Life, Co-PI, 2011, \$15,000, \$7,500 to Fredericq Lab
- National Science Foundation. RAPID: Impacts of the Deepwater Horizon crude oil spill on the diversity of macroalgae and macrocrustaceans inhabiting deepwater hard banks in the Northwest, Northeast and Southeast Gulf of Mexico, PI, 2010-2012, \$185,608
- National Science Foundation. Collaborative Research, RedToL - phylogenetic and genomic approaches to reconstructing the Red Algal (Rhodophyta) Tree of Life. Co-PI, 2009-2014, \$480,812, \$32,000 to Fredericq lab
- National Science Foundation. Systematics of the Peyssonneliaceae (Peyssonneliales), a family of crustose marine red algae. PI, 2009-2013, \$401,411
- National Science Foundation. Collaborative proposal: Marine algal diversity of Southern Central America. Co-PI, 2008-2013, \$725,000, \$112,500 to Fredericq lab

Hasenstein, Karl

- Louisiana Space Grant Consortium: Starch Metabolism in Amyloplasts, 2016 – 2017, \$6,000
- LA-BOR: Upgrading Particle-Induced X-Ray Emission Spectrometry at the Louisiana Accelerator Center, 2016-2017, \$29,973
- NASA (EPSCOR) NNH13ZHA001C. Genetic Assessment of the Space Environment using MEMS Technologies. Co-PI, 2013-2016, \$1,450,000; Hasenstein share: \$360,000
- Louisiana Space Grant Consortium. Quantifying Root Gravitropism: Gene Expression Patterns in *Brassica rapa* at high spatial and temporal resolution, PI, 2013-2014, \$5,000
- NASA (NNX10AP91G). Microgravity and Magnetic Fields - Directional Root Growth and Gene Expression (flight experiment). PI, 2010-2013, \$534,959, Extension through 2015: + \$232,708

Hester, Mark

- Louisiana Sea Grant/Louisiana CPRA, Coastal Science Assistantship Program. Interactive Effects of Nutrient and Hydrologic Regimes on Structuring Fresh and Intermediate Plant Communities. (PI), 2015 -2018; \$75,000
- U.S. Army Corps of Engineers/Louisiana CPRA. Coast 2050 Academic Advisor PPL-26. (PI) 2016; \$3,000
- Louisiana Sea Grant/Louisiana CPRA, Coastal Science Assistantship Program. Effect of Coastal Salt Marsh Restoration Site Age and Substrate Type on Plant Community Dynamics, Soil Development and Shear Strength. **Mark Hester** (PI), 2015; \$25,000
- U.S. Army Corps of Engineers/Louisiana CPRA. Coast 2050 Academic Advisor PPL-25. **Mark Hester** (PI) 2015; \$3,000

- Louisiana CPRA. Comparison of Vegetation Communities within Barrier Island Restoration Projects of Varying Ages through the Development of a Vegetation Sampling Protocol for the Barrier Island Comprehensive Monitoring (BICM) Program. PI, 2013–2015, \$288,600
- The Water Institute of the Gulf/Louisiana CPRA. 2013 Sediment Diversion Nutrient Dynamics Expert Panel. PI, 2013, \$3,600
- The Water Institute of the Gulf/Louisiana CPRA. 2017 Coastal Master Plan Model Development and Application. Co-PI (**J. Visser PI**), 2013, \$122,854
- U.S. Geological Survey/Southeast Climate Change Center. Ecological Implications of Mangrove Forest Migration in the Southeastern U.S. Co-PI, 2012–2015, \$312,092; UL Lafayette award \$96,969
- Louisiana Sea Grant/Louisiana CPRA. Coastal Science Assistantship Program (CSAP) Award (graduate student assistantship and intern support). PI, 2012–2015, \$75,000
- BP Gulf Research Initiative LSU ORED. A Multidisciplinary Analysis of Linkages Among Wetland Vegetation, Rhizosphere Microbial Communities and Soil Stability in Response to Oiling. Co-PI, 2012–2015, \$800,000, UL Lafayette award \$225,322
- Louisiana Board of Regents Enhancement Program. Upgrading instrumentation for metal analysis in biological research and education at UL Lafayette. Co-PI (**P. Klerks, PI**), 2012-2013, \$72,262
- U.S. Fish and Wildlife Service. Sea-Level Rise in the Florida Keys: Implications for Ecosystem Sustainability. PI, 2010-2012, \$62,719
- U.S. Army Corps of Engineers/Louisiana CPRA. Coast 2050 Academic Advisor. 2008–2013, \$18,000
- CALFED. Evaluating and Predicting Restoration Thresholds in Evolving Freshwater-Tidal Marshes. Co-PI, 2008–2013, \$2,496,498; UL Lafayette award \$201,752.
- US EPA/Louisiana DNR. Enhancement of Barrier Island Vegetation Demonstration Project. PI, 2008–2012, \$710,698
- Louisiana Department of Natural Resources/LSU Sea Grant. Coastal Science Assistantship Program Award: University of Louisiana at Lafayette. PI, 2008–2011, \$75,000

Johnson, Derek

- USDA Southern Region. PI. 2009-2012. \$70,000

Klerks, Paul

- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2017. PI, **Brad Moon** (CoPI), 2017-2022, \$240,000
- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2016. PI, **Brad Moon** (CoPI), 2016-2021, \$240,000
- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2014. PI, 2014-2019, \$112,000
- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2013. PI, 2013-2018, \$224,000
- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2012. PI, 2012-2017, \$324,000

- Gulf of Mexico Research Initiative. The effect of sediment bioturbators on the biological degradation of petroleum in coastal ecosystems. PI, 2012-2015, \$1,025,091
- Louisiana Board of Regents Enhancement Program. Upgrading instrumentation for metal analysis in biological research and education at UL Lafayette. PI, 2012 -2013, \$72,262.
- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2011. PI, 2011-2016, \$324,000
- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2010. PI, 2010-2015, \$208,000
- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology. PI, 2008-2013, \$192,000
- Louisiana Board of Regents. Training doctoral fellows for research in wetlands restoration after hurricanes. PI, 2007-2012, \$88,000

Krayesky, Sherry

- National Science Foundation/BOR EPSCoR SURE: Searching for Dinoflagellate Life Stages Inside Rhodolith-forming Coralline Red Algae. PI, 2015, \$2000
- NSF/BOR EPSCoR SURE: Searching for Dinoflagellate Life Stages Inside Rhodolith-forming Coralline Red Algae. PI, 2014, \$4500

Leberg, Paul

- The Water Institute of the Gulf. Coastal Master Plan Model Development and Application Coastal Master Plan Model Development and Application. PI, 2015 –2017, \$21,231
- Louisiana Department of Wildlife and Fisheries. Assessment of Back Barrier Marsh Creation Projects Ability to Provide Avian Habitat. PI, 2015-2017, \$65,700
- U.S. Department of Defense. Sources and Sinks: Elucidating Mechanisms, Documenting Patterns, and Forecasting. CoPI, 2014-2016. (\$142,000 to Leberg lab)
- Coastal Science Assistantship Program. Evaluation of Maximum Entropy Models for Assessing the Restoration Scenarios Influence on Coastal Wildlife Populations. PI. 2014-2017, \$75,000
- The Water Institute of the Gulf. Modeling Tools to Predict the Effects of Coastal Protection and Restoration Projects. PI. 2014, \$45,711
- LA Board of Regents Graduate Fellows Program. Co-PI, (**P. Klerks, PI**), 2014-2019, \$112,000
- LA Board of Regents Graduate Fellows Program. Co-PI, (**P. Klerks, PI**), 2013-2018, \$224,000
- LA Board of Regents Graduate Fellows Program. Co-PI, (**P. Klerks, PI**), 2012-2017, \$324,000
- U.S. Geological Service. Assessment of Potential Responses of Piping Plover (*Charadrius melodus*), Co-occurring Migratory Shorebirds, and their Benthic Macro Invertebrate Prey, to barrier island restoration. PI, 2012-2015, \$91,000
- Louisiana Department of Wildlife and Fisheries. Influence of barrier island loss, local translocations, and the Deepwater Horizon oil spill on distribution and survival of Brown Pelicans in Coastal Louisiana. PI, 2012-2014, \$76,150

- LA Board of Regents Graduate Fellows Program. Co-PI, (**P. Klerks, PI**), 2011-2016, \$208,000
- National Science Foundation. Relative impacts of the Macondo Oil Spill on Brown Pelican population biology? Co-PI, 2011-2014, \$199,000 total award, \$43,000 to Leberg lab
- Louisiana Department of Wildlife and Fisheries. Breeding ecology of the Brown Pelican. PI, 2011-2013, \$227,000
- LA Board of Regents Graduate Fellows Program. CO-PI, (**P. Klerks, PI**), 2010-2015, \$200,000
- COYPU Foundation. Factors affecting nest success of Painted Buntings. PI, 2010-2011, \$29,000
- Louisiana Department of Wildlife and Fisheries. Nesting ecology of Painted Bunting in Southern Louisiana. PI, 2010-2011, \$19,000
- Louisiana Office of Coastal Protection and Restoration. Modeling the effects of coastal restoration and protection. PI, 2010-2011, \$34,341
- U.S. Department of Defense. Topical Features and Dynamics of Gene Flow Networks. PI, 2009-2011, \$158,000
- Louisiana Department of Wildlife and Fisheries/U.S. Fish and Wildlife Service, Status and habitat use of the Eastern Spotted Skunk in Southern Louisiana. PI, 2008-2011, \$98,000

Mire, Patricia

- National Science Foundation/BOR EPSCoR SURE Cell Signaling during development of Cnidocytes in Sea Anemones. PI, 2014-2015, \$4,500

Moon, Brad

- Louisiana Board of Regents, Traditional Graduate Fellows Program. Co-PI, (**P. Klerks, PI**), 2017–2021, \$240,000.
- Louisiana Board of Regents, Traditional Graduate Fellows Program. Co-PI, (**P. Klerks, PI**), 2016–2020, \$240,000.
- National Science Foundation. Mechanics and energetics of muscle–tendon systems. PI, 2008–2013, \$284,015

Mopper, Susan

- COYPU Foundation, Conserving pollinators and wildlife with coastal prairie plants. PI, 2017, \$82,843.
- COYPU Foundation, Effects of Invasive plant on insect pollinators. PI, 2014-2015, \$55,000.
- COYPU Foundation, Research and Propagation of Native Plants for Conservation, Pollinator Preservation, and Sustainable Agriculture. PI, 2013-2014, \$51,899
- U.S. Department of Agriculture. Louisiana Native Plant Initiative. PI, 2010-2012, \$40,000

Neigel, Joseph

- National Science Foundation. CC*IIIE Networking Infrastructure: Cyberinfrastructure - Creation of Science DMZ at UL Lafayette, Co-PI. 2014. \$491,513

- Gulf of Mexico Research Initiative. The environmental effects of an oil spill on Blue Crabs in the Gulf of Mexico and the dynamics of recovery: Integrating oceanography and molecular ecology. PI, 2013-2017, \$1,366,817
- Post-Katrina support fund initiative. The LONI Institute. Co-PI. 2007-2013, \$7,000,000. FYI-Funds were not used to support individual research projects, but to build departmental capabilities on five campuses in Louisiana, approximately \$300,000
- Gulf of Mexico Research Initiative (GoMRI). Continued Sampling of Blue Crab Larvae, Juveniles and Adults to Evaluate Oil Spill Effects on Population Connectivity and Adaptation, and Predict the Dynamics of Recovery. PI, 2011, \$52,509

Nelson, James

- National Science Foundation Directorate for Biological Sciences (BIO) Division of Environmental Biology. Collaborative Research: Ecosystem Evolution and Sustainability of Nutrient Enriched Coastal Saltmarshes 2014-2017. Co-PI, \$1,651,146. Amount to Nelson Lab-approximately \$160,000.

Povinelli, Daniel

- McDonnell Center for Systems Neuroscience, New Resource Proposal. Washington University in St. Louis School of Medicine, Co-PI, 2015, \$40,000
- The Farrel Fund (Private Foundation) Internal Washington University in St. Louis Pilot Grant. Two-person DOT neuro-imaging. CoPI, 2010-2012, \$8,225 to Povinelli lab
- James S. McDonnell Foundation, Centennial Fellowship in Human Cognition. PI, 1999-2011, \$1,000,000

Smith, Karen

- NIMH K01 MENTORED TRAINING GRANT, The Role of Astrocytes in Cortical Interneuron Development. PI, 2009-2014, \$676,159
- NARSAD YOUNG INVESTIGATOR AWARD, Postnatal Inhibitory Neuron Maturation. PI, 2009-2014, \$60,000

Rodriguez-Lanetty, Mauricio

- National Science Foundation – Biological Oceanography, Exploring the Acclimatization and Adaptation Potential of Tropical Reef Corals to Global Climate Change. PI, 2009-2012, \$385,984

Stauffer, Beth

- NOAA, National Ocean Service. The Alliance for Coastal Technologies: National-Scale Efforts Toward Verification and Validation of Observing Technologies. Beth Stauffer (Subcontract Co-PI), 2015-2016, \$50,000

Wang, Yi-Hong

- USDA, National Institute of Food and Agriculture. Building capacity for research, outreach and teaching in food, agriculture and natural resources at the University of Louisiana at Lafayette. PI, 2014-2016, \$116,226
- LA EPSCOR-PFUND. Mapping glucose conversion yield for increased biofuel production in sorghum. PI, 2012-2013, \$9,820

- LA EPSCOR-PFUND. Expression of plant NAC genes for increased biomass production. PI, 2010-2011, \$9,400
- Board of Regents of the State of Louisiana-traditional enhancement. Enhancing agricultural biotechnology teaching and research infrastructure in the Department of Renewable Resources at UL Lafayette, PI, 2010-2011, \$35,577

Publications, Presentations, Editorships, and Talks

Books Published

2015

- **Patton, K.P.** 2015. *Essentials of Biology Laboratory*. Hayden-McNeil Publishing, Plymouth, MI, 268 p. ISBN: 978-0-7380-7356-9

2012

- **Albert, J.S.**, T.P. Carvalho, J. A. Chuctaya, P. Petry, R.E. Reis, B. Rengifo, and H. Ortega. 2012. *Fishes of the Fitzcarrald, Peruvian Amazon*. Lulu Press, Raleigh, 251 pp. ISBN: 978-1-105-25484-0
- **Povinelli, D.J.** 2012. *World Without Weight: Perspectives on an Alien Mind*. Oxford, Oxford University Press. 354 pp. ISBN-13: 978-0198570967

Edited Volumes

2016

- Rakshit S, **Y-H Wang** (eds). 2016. *The Sorghum Genome* (book series: Compendium of Plant Genomes). Springer Nature. ISBN 978-3-319-47787-9.

2014

- **Wang Y-H**, HD Upadhyaya, C. Kole (eds). 2014. *Genetics, Genomics and Breeding of Sorghum*. Taylor & Francis/CRC Press. 344 p. ISBN: 978-1-48221-008-8

2012

- **Wang Y-H**, TK Behera, C Kole. 2012. (eds). *Genetics, Genomics and Breeding of Cucurbits*. Science Publishers/CRC Press, Enfield, NH, 418 p. ISBN: 978-1-57808-766-2

2011

- **Albert, J.S.**, and R.E. Reis. 2011 (eds). *Historical Biogeography of Neotropical Freshwater Fishes*. University of California Press, Berkeley, 388 pp. ISBN: 9-78520-268685

Journal Publications

1. Abshire, C.F. K. Prasai, I. Soto, R. Shi, M. Concha, M. Baddoo, E. Flemington, **D.G. Ennis**, R.S. Scott, and L. Harrison, 2016. Exposure of *Mycobacterium marinum* to low-shear modeled microgravity: effect on growth, the transcriptome and survival under stress. *Nature-MG* DOI:10.1038/npjmgrav.2016.38.

2. **Albert, J.S.** D.R. Schoolmaster, V. Tagliacollo, and **S.M. Duke-Sylvester**. 2016. Barrier displacement on a neutral landscape: Towards a theory of continental biogeography. *Syst. Biol.* DOI: 10.1093/sysbio/syw080.
3. Arruda, C.T., and D.J. **Povinelli**. 2016. Chimps as secret agents. *Synthese* 193:2129-2158.
4. Baker, H.K., **J.A. Nelson**, and L.H. Leslie. 2016. Quantifying striped bass (*Morone saxatilis*) dependence on saltmarsh-derived productivity using stable isotope analysis; *Estuaries and Coasts* 39:1537–1542.
5. Blankson, E. and **P.L. Klerks**. 2016. The effect of lead from sediment bioturbation by *Lumbriculus variegatus* on *Daphnia magna* in the water column. *Ecotoxicology* 25:1712-1719.
6. Blankson, E., and **P.L. Klerks**. 2016. The effect of bioturbation by *Lumbriculus variegatus* on transport and distribution of lead in a freshwater microcosm. *Environmental Toxicology and Chemistry* 35:1123-1129.
7. Bortolini, J.L., and **R.T. Bauer**. 2016. Persistence of reduced androgenic glands after protandric sex change suggests a basis for simultaneous hermaphroditism in a caridean shrimp. *Biological Bulletin* 230:110-119.
8. Chen, C.-L., J.W. Goy, H.D. Bracken-Grissom, **D.L. Felder**, L.M. Tsang, and T.-Y. Chan. 2016. Phylogeny of Stenopodidea (Crustacea: Decapoda) shrimps inferred from nuclear and mitochondrial genes reveals non-monophyly of the families Spongicolidae and Stenopididae and most of their composite genera. *Invertebrate Systematics* 30:479–490.
9. Chen, H., L. Mu, J. Cao, J. Mu, **P.L. Klerks**, Y. Luo, Z. Guo, and L. Xie. 2016. Accumulation and effects of Cr(VI) in Japanese medaka (*Oryzias latipes*) during chronic dissolved and dietary exposures. *Aquatic Toxicology* 176:208-216.
10. Chen, H., J. Cao, L. Li, X. Wu, R. Bi, **P.L. Klerks**, and L. Xie. 2016. Maternal transfer and reproductive effects of Cr(VI) in Japanese medaka (*Oryzias latipes*) under acute and chronic exposures. *Aquatic Toxicology* 171:59-68.
11. Collin R., S. **Fredericq**, D.W. Freshwater, E. Gilbert, M. Madrid, S. Maslakova, M.P. Miglietta, R.M. Rocha, E. Rodríguez, and R.W. Thacker. 2016. TaxaGloss – A glossary and translation tool for biodiversity studies. *Biodiversity Data Journal* DOI: 10.3897/BDJ.4.e10732.
12. Cornwell, B.H., J.L. Fisher, S.G. Morgan, and **J.E. Neigel**. 2016. Chaotic genetic patchiness without sweepstakes reproduction in the shore crab *Hemigrapsus oregonensis*. *Marine Ecology Progress Series* 548:139-152.
13. **Deaton L.E.**, **W. Schmidt**, B. Leblanc, J. Carter, K. Mueck and S. Merino. 2016. Physiology of the invasive apple snail *Pomacea maculata*: tolerance to low temperatures. *Journal of Shellfish Research* 35:207-210.
14. Fortela, D.L., R. Hernandez, **A. Chistoserdov**, M. Zappi, R. Bajpai, D. Gang, E. Revellameand and W. Holmes. 2016. Biodiesel profile stabilization and microbial community selection of activated sludge feeding on acetic acid as a carbon source. *ACS Sustainable Chem. Eng.* 4:6427–6434.
15. Fortela, D.L., R. Hernandez, M. Zappi, T.W. French, R. Bajpai, **A. Chistoserdov**, E. Revellame and W. Holmes. 2016. Microbial lipid accumulation capability of activated

- sludge feeding on short chain fatty acids as carbon sources through fed-batch cultivation. *J. Bioprocess Biotech* 6:275. DOI:10.4172/2155-9821.1000275.
16. **Fredericq S.** and **W.E. Schmidt.** 2016. Red Algae. In: eLS. John Wiley & Sons Ltd, Chichester. <http://www.els.net> [DOI: 10.1002/9780470015902.a0000335.pub2], <http://www.els.net/WileyCDA/ElsArticle/refId-a0000335.html>.
 17. Gabriel D., S.G.A. Draisma, T. Sauvage, **W.E. Schmidt**, T. Schils, P.-E. Lim, D.J. Harris and **S. Fredericq.** 2016. Multilocus phylogeny reveals *Gibsmithia hawaiiensis* (Dumontiaceae, Rhodophyta), a to be a species complex from the Indo-Pacific, with the proposal of *G. eilatensis* sp. nov. *Phytotaxa* 277(1):1-20.
 18. Gao, M., **P.L. Klerks**, X. Wu, H. Chen and L. Xie. 2016. Metal concentrations in sediment and biota of the Huludao coast in Liaodong Bay and associated human and ecological health risks. *Archives of Environmental Contamination and Toxicology* 71:87-96.
 19. **Hester, M.W.**, J. M. Willis, S. Rouhani, M. Steinhoff, and M. C. Baker. 2016. Impacts of the *Deepwater Horizon* oil spill on the salt marsh vegetation of Louisiana. *Environmental Pollution*. 216:361-370. DOI: 10.1016/j.envpol.2016.05.065.
 20. **Hester, M.W.**, J. M. Willis, and T. M. Sloey. 2016. Field assessment of environmental factors constraining the development and expansion of *Schoenoplectus californicus* marsh at a California tidal freshwater restoration site. *Wetlands Ecology and Management*. 24(1):33-44. DOI: 10.1007/s11273-015-9448-9.
 21. Hutchison, N.L., R.F. Lance, C.E. Pekins, M.E. Noble, and **P.L. Leberg.** 2016. Influence of geomorphology and surface features on the genetic structure of an important troglodyte, the secret cave cricket (*Ceuthophilus secretus*). *Conservation Genetics* 17:969-983.
 22. Jeong, S.Y., B.Y. Won, **S. Fredericq** and T.O. Cho. 2016. *Wynneophycus geminatus* gen. et comb. nov. (Delesseriaceae, Rhodophyta) from Korea, based on the red alga previously known as *Hypoglossum geminatum* Okamura. *Phycologia* 55:165-177.
 23. John S.P., and K.H. **Hasenstein.** 2017. The role of peltate scales in desiccation tolerance of *Pleopeltis polypodioides* Planta (DOI: 10.1007/s00425-016-2631-2).
 24. Jones, S. F., C. L. Stagg, K. W. Krauss, and **M.W. Hester.** 2016. Tidal saline wetland regeneration of sentinel vegetation types in the Northern Gulf of Mexico: An overview. *Estuarine and Coastal Shelf Science*. 174:A1-A10. DOI: 10.1016/j.ecss.2016.02.010.
 25. Klompaker, A.A., **A.Y. Chistoserdov** and **D.L. Felder.** 2016. Possible shell disease in 100-million-year-old crabs. *Dis. Aquat. Org.*, 119:91-99. DOI: 10.3354/dao02988.
 26. **Krayesky-Self, S.**, J.L. Richards, M. Rahmatian and **S. Fredericq.** 2016. Aragonite infill in overgrown conceptacles of coralline *Lithothamnion* spp. (Hapalidiaceae, Hapalidiales, Rhodophyta): new insights in biomineralization and phylomineralogy. *Journal of Phycology* 52:161-173.
 27. **Krayesky-Self, S.**, **W.E. Schmidt.** D. Phung. C. Henry, T. Sauvage, O. Camacho, **B. E. Felgenhauer** and **S. Fredericq.** 2017 (in press). Unsuspected Eukaryotic life habits rhodolith-forming coralline algae (Hapalidiales, Rhodophyta), a remarkable marine benthic microhabitat. *Scientific Reports*.
 28. **Kulkarni, R.**, Caskey J 2, Singh SK, Paudel S, Baral P, Schexnayder M, Kim J, Kim N, Kosmider B, Ratner AJ, Jeyaseelan S 2016. Cigarette Smoke Extract-Exposed Methicillin-Resistant *Staphylococcus aureus* Regulates Leukocyte Function for

- Pulmonary Persistence. American Journal of Respiratory, Cell and Molecular Biology 55(4):586-601.
29. Lawler SN, Kellogg CA, **France S.C.**, Clostio RW, Brooke SD, Ross SW. 2016. Coral-Associated Bacterial Diversity is Conserved Across Two Deep-Sea *Anthothela* Species. *Frontiers in Microbiology* 7:18 pp, DOI:10.3389/fmicb.2016.00458.
 30. Leliaert F., A. Tronholm, C. Lemieux, M. Turmel, M.S. DePriest, D. Bhattacharya, K.G. Karol, **S. Fredericq**, F.W. Zechman and J. Lopez-Bautista. 2016. Chloroplast phylogenomic analyses reveal the deepest-branching lineage of the Chlorophyta, Palmophyllophyceae class. nov. *Scientific Reports (Nature)* 6:25367; DOI:10.1038/srep25367.
 31. Lemaitre, R., J. Poupin, and **D. L. Felder**. (2016 accepted, in press). Discovery of a new micro-pagurid fauna (Crustacea: Decapoda: Paguridae) in the Lesser Antilles, Caribbean Sea. *Zoosystema*.
 32. Liu, J.-Z., W. Xu, **A. Chistoserdov**, R.K. Bajpai. 2016. Glycerol Dehydratases: Biochemical Structures, Catalytic Mechanisms, and Industrial Applications in 1,3-Propanediol Production by Naturally-Occurring and Genetically-Engineered Bacterial Strains. *Appl. Biochem. Biotechnol.* 179:1073-1100. DOI: 10.1007/s12010-016-2051-6.
 33. Magalhães. T., R. Robles, **D.L. Felder**, and F. L. Mantelatto. 2016. Integrative taxonomic study of the purse crab genus *Persephona* Leach, 1817 (Brachyura: Leucosiidae): Combining morphology and molecular data. *PLOS ONE* 11(4):1-34
 34. **Mopper S.**, K. Wiens, and G. Goranova. 2016. Competition, salinity, and clonal growth in native and introduced irises. *American Journal of Botany* 103:1-7. COVER ARTICLE.
 35. Moulton, O.M., M.A. Altabet, M.J. Beman, L.A. Deegan, J. Lloret, M.K. Lyons, **J.A. Nelson**, and C.A. Pfister. 2016. Microbial associations with macrobiota in coastal ecosystems: patterns and implications for nitrogen cycling; *Trends in Ecology and Evolution* Volume 14:200-208.
 36. Negri, M, T. Magalhães, N. Rossi, **D.L. Felder**, F. L. Mantelatto. (2016 accepted, in press). Reproductive aspects of the shrimp *Cuapetes americanus* (Caridea, Palaemonidae) from Bocas del Toro, Panama. *Crustaceana*.
 37. Nestorova GG, **Hasenstein K.H.**, Nguyen N, DeCoster MA, Crews ND. (2017) Lab-on-a-chip mRNA purification and reverse transcription via a solid-phase gene extraction technique. *Lab Chip* 17:1128-1136 (DOI: 10.1039/c6lc01421f).
 38. Palacios-Theil, E., J. A. Cuesta, and **D.L. Felder**. 2016. Molecular evidence for non-monophyly of the pinnotheroid crabs (Crustacea: Brachyura: Pinnotheroidea), warranting taxonomic reappraisal. *Invertebrate Systematics* 30:1-27.
 39. Park M.R., and **K.H. Hasenstein** 2016 Hormone-induced gene expression during gravicurvature of Brassica Roots. *Journal of Plant Growth Regulation* 35:190-201 (DOI 10.1007/s00344-015-9518-5).
 40. Park M.R., and **K.H. Hasenstein** 2016. Oxygen dependency of germinating Brassica seeds. *Life Sciences in Space Research* 8:30-37 (DOI:10.1016/j.lssr.2016.01.002).
 41. Park M.R., and **K.H. Hasenstein** .2016. Beware of Fixation – It Might Affect Your Experiments *Gravitational and Space Research* 4(2):47-57.
 42. Pellerin, B.A., **B.A. Stauffer**, D.A. Young, D.J. Sullivan, S.B. Bricker, M.R. Walbridge, G.A. Clyde, and D.M. Shaw. 2016. Emerging tools for continuous nutrient monitoring

- networks: Sensors advancing science and water resources protection. *Journal of the American Water Resources Association*, 52:1–16. DOI: 10.1111/1752-1688.12386.
43. Penning, D.A., and **B.R. Moon**. 2017. The King of Snakes: Performance and Morphology of Intraguild Predators (*Lampropeltis*) and their Prey (*Pantherophis*). *Journal of Experimental Biology*, 220(6):1154-1161.
 44. Penning, D.A., B. Sawvel, and **B.R. Moon**. 2016. Debunking the viper’s strike: harmless snakes kill a common assumption. *Biology Letters* 12:20160011.
 45. **Povinelli, D.J.** and Frey, S. 2016. Constraints on the exploitation of the functional properties of objects in expert tool-using Chimpanzees (*Pan troglodytes*). *Cortex*, 82:1–23.
 46. Pruett, J.R. and **Povinelli, D.J.** 2016. Autism spectrum disorder: spectrum or cluster? *Autism Research*. 9:1237–1240.
 47. Rasch, J.A., and **R.T. Bauer**. 2016. The functional morphology and role of the thelycum in insemination, and its relation to the mating system in the seagrass shrimp *Ambidexter symmetricus* (Decapoda: Processidae). *Invertebrate Biology* 135:163–173.
 48. Regmi, R., M.R. Douglas, W. J. B. Anthonysamy, M.E. Douglas and **P.L. Leberg**. 2016. Salinity and hydrological barriers have little influence on genetic structure of the mosquitofish in a coastal landscape shaped by climate change. *Hydrobiologia*. 777:209–223.
 49. Richards J.L., T. Vieira-Pinto, **W.E. Schmidt**, T. Sauvage, P.W. Gabrielson, M.C. Oliveira, and **S. Fredericq**. 2016. Molecular and morphological diversity of *Lithothamnion* spp. rhodoliths (Hapalidiaceae, Hapalidiales) from deepwater rhodolith beds in the northwestern Gulf of Mexico. *Phytotaxa* 278:81-114.
 50. Rodriguez-Mora M.J., V.P. Edgcomb, C. Taylor, M.I. Scranton, G.T. Taylor and **A.Y. Chistoserdov**. 2016. The diversity of sulfide oxidation and sulfate reduction genes expressed by the bacterial communities of the Cariaco Basin, Venezuela. *Open Microbiol. J.* 10:BSP-TOMICROJ-2016-28. DOI: 10.2174/1874285801610010140.
 51. Rouhani, S., M. Baker, M. Steinhoff, M. Zhang, J. Oehrig, I. Zelo, S. Emsbo-Mattingly, Z. Nixon, J. Willis, and **M. Hester**. 2016. Nearshore exposure to *Deepwater Horizon* oil. *Marine Ecology Progress Series*. DOI 10.3354/meps11811.
 52. Ruan C-J, R Yan, B-X Wang, **S. Mopper**, W-K Guan, and J. Zhang. **2017**. The importance of yellow horn (*Xanthoceras sorbifolia*) for restoration of arid habitats and production of bioactive seed oils. *Ecological Engineering* 99:504–512.
 53. Ruan C.J., and **S. Mopper**. **2017**. High-crown grafting to increase low yields in *Camellia oleifera*. *Journal of Horticultural Science and Biotechnology*. DOI: 10.1080/14620316.2017.1283969.
 54. Savage M.A. and **B.E. Felgenhauer**. 2016. Association between pink wormfish, *Microdesmus longipinnins* (Weymouth), and the ghost shrimp *Lepidophthalmus louisianensis* (Schmitt), in artificial burrows. *Environmental Biology of Fishes* 99:(11):903-906.
 55. Sauvage, T., **W.E. Schmidt**, S. Suda, and **S. Fredericq**. 2016. A metabarcoding framework for facilitated survey of endolithic phototrophs with *tufA*. *BMC Ecology* 16:8; DOI:10.1186/s12898-016-0068-x.
 56. **Schmidt, W.E.**, C.F.D. Gurgel, and **S. Fredericq**. 2016. Taxonomic transfer of the red algal genus *Gloiosaccion* to *Chrysiemia* (Rhodymeniaceae, Rhodymeniales), including

- the description of a new species, *C. pseudoventricosa*, for the Gulf of Mexico. *Phytotaxa* 243:54-70.
57. Silliman, B. R., P. M. Dixon, C. Wobus, Q. He, P. Daleo, B. B. Hughes, J. M. Willis, and **M.W. Hester**. 2016. Thresholds in marsh resilience to the *Deepwater Horizon* oil spill. *Nature Scientific Reports*. 6, Article number: 32520. DOI 10.1038/srep32520.
 58. Sloey, T.M., R.J. Howard, and **M.W. Hester**. 2016. Response of *Schoenoplectus acutus* and *Schoenoplectus californicus* at different life-history stages to hydrologic regime. *Wetlands*. 36(1):37-46. DOI: 10.1007/s13157-015-0713-8.
 59. Sloey, T.M., and **M.W. Hester**. 2016. Interactions between soil physicochemistry and belowground biomass production in a freshwater tidal marsh. *Plant and Soil*. 401(1):397-408. DOI: 10.1007/s11104-015-2760-6.
 60. Sullivan, T.J., and **J.E. Neigel**. 2017. Misidentification of megalopae as a potential source of error in studies of the population genetics and ecology of the blue crab *Callinectes sapidus*. *Marine Ecology Progress Series* 565:95–111.
 61. Sullivan, T.J., C.G. Gelpi, and **J.E. Neigel**. 2016. Molecular detection of the parasitic dinoflagellate, *Hematodinium perezii* from blue crabs, *Callinectes sapidus*, in Louisiana. *Diseases of Aquatic Organisms*, *Diseases of Aquatic Organisms*, 120:83-88.
 62. Tang, P.C., **K.M. Smith**, and **G.M. Watson**. 2016. Repair of traumatized mammalian hair cells via sea anemone repair proteins. *Journal of Experimental Biology*. 219:2265-2270.
 63. Upadhyaya H.D., and **Y-H Wang**, DVSSR Sastry, SL Dwivedi, PV Vara Prasad, A. Millie Burrell, Robert R Klein, Geoffrey P Morris, Patricia E Klein 2016. Association mapping of low temperature germinability and seedling vigor in sorghum. *Genome* 59:137-145.
 64. Vasseur, P.L., and **P.L. Leberg**. 2016. Video surveillance of Painted Bunting nests to determine the effect of parental behavior on nest success. *Southeastern Naturalist* 51:1–11.
 65. Vieira C., O. Camacho, M. Wynne, L. Mattio, R. Anderson, J. Bolton, M. Sanson, S. D'hondt, F. Leliaert, **S. Fredericq**, C. Payri, and O. De Clerk. 2016. Shedding new light on old algae: matching names and sequences in the brown algal genus *Lobophora* (Dictyotales, Phaeophyceae). *Taxon* 65:689-707.
 66. Wang, L., and **K.H. Hasenstein**. 2016. Seed coat stomata of several Iris species. *Flora* 224:24–29.
 67. Wicksten M., S. De Grave, **S.C. France**, and C. Kelley. 2016. Filter-feeding in a Deep-Sea Benthic Shrimp (Decapoda: Caridea: Styrodactylidae), with Records of the Deepest Carideans. *ZooKeys* 646:17-23 DOI: 10.3897/zookeys.646.10969.
 68. Willis, J. M., **M.W. Hester**, S. Rouhani, M. Steinhoff, and M.C. Baker. 2016. Field assessment of the impacts of *Deepwater Horizon* oiling on the coastal marsh vegetation of Mississippi and Alabama. *Environmental Toxicology and Chemistry*. 35:2791-2797. DOI: 19.1002/etc.3450.
 69. Wright, D.G., R. Castore, R. Shi, A. Mallick, **D.G. Ennis** and L. Harrison. 2017. *Mycobacterium tuberculosis* and *Mycobacterium marinum* non-homologous endjoining proteins can function together to join DNA ends in *Escherichia coli*. *Mutagenesis*. 32(2): 245-256 DOI:10.1093/mutage/gew042.
 70. Yando, E.S., M.J. Osland, J.M. Willis, R.H. Day, K.W. Krauss, and **M.W. Hester**. 2016. Salt marsh-mangrove ecotones: Using structural gradients to investigate the

- effects of woody plant encroachment on plant-soil interactions and ecosystem carbon pools. *Journal of Ecology*. 104:1020–1031. DOI:10.1111/1365-2745.12571.
71. Yang E.C., S.M. Boo, D. Bhattacharya, G.W. Saunders, A.H. Knoll, **S. Fredericq**, L. Graf, and H.S. Yoon. 2016. Divergence time estimates and evolution of major lineages in the florideophyte red algae. *Scientific Reports (Nature)* 6: 21361; DOI:10.1038/srep21361.
 72. Xie, L., X. Wu, H. Chen, Y. Luo, Z. Guo, **J. Mu**, E.R. Blankson, W. Dong and **P.L. Klerks**. 2016. The bioaccumulation and effects of selenium in the oligochaete *Lumbriculus variegatus* via dissolved and dietary exposure routes. *Aquatic Toxicology* 178:1-7.
 73. Xie, L., X. Wu, H. Chen, W. Dong, A.M. Cazan and **P.L. Klerks**. 2016. A low level of dietary selenium has both beneficial and toxic effects and is protective against Cd toxicity in the least killifish *Heterandria formosa*. *Chemosphere* 161:358-364.
 74. Xie, Z., N. Saha, and, **C. Chlan**, 2016. Antimicrobial Activity of a Cys-Rich Peptide Derived from a *Centrosema virginianum* Vicilin. *American Journal of Plant Sciences* 7:92-107. DOI: [10.4236/ajps.2016.71011](https://doi.org/10.4236/ajps.2016.71011).
 75. Arakaki, N., W.E. Schmidt, P. Carbajal and **S. Fredericq**. 2015. First occurrence of *Gracilaria chilensis*, and distribution of *Gracilariopsis lemaneiformis* (Gracilariaceae, Gracilariales) in Peru. *Phytotaxa* 208:175-181.
 76. Athrey, N.R.G, R.F. Lance, and **P.L. Leberg**. 2015. Using genealogical mapping and genetic neighborhood sizes to quantify dispersal distances in the neotropical passerine, the Black-capped Vireo. *PLOS ONE*. DOI: 10.1371/journal.pone.0140115.
 77. Camacho, O., L. Mattio, S. Draisma, **S. Fredericq** and G. Diaz-Pulido. 2015. Morphological and molecular assessment of *Sargassum* (Fucales, Phaeophyceae) from Caribbean Colombia, including the proposal of *S. giganteum* sp. nov., *Sargassum schnetteri* comb. nov., and *Sargassum* section *Cladophyllum* sect. nov. *Systematics and Biodiversity* 13:105-130.
 78. Camacho, O., L. Mattio, S. Draisma, **S. Fredericq** and G. Diaz-Pulido. 2015. Morphological and molecular assessment of *Sargassum* (Fucales, Phaeophyceae) from Caribbean Colombia, including the proposal of *S. giganteum* sp. nov., *Sargassum schnetteri* comb. nov., and *Sargassum* section *Cladophyllum* sect. nov. *Systematics and Biodiversity* 13:105-130.
 79. Carvalho*, T. P., and **J.S. Albert**. A new species of *Rhamphichthys* (Gymnotiformes: Rhamphichthyidae) from the Amazon Basin. *Copeia* 2015(1): 34–41.
 80. Castilho, A.L., **R.T. Bauer**; F.A. M. Freire; V. Fransozo; R. C. Costa; R. C. Grabowski and A. Fransozo. 2015. Lifespan and reproductive dynamics of the commercially important sea bob shrimp *Xiphopenaeus kroyeri* (Penaeoidea): Synthesis of a 5-year study. *Journal of Crustacean Biology* 35: 30-40.
 81. Cazan, A.M. and **P.L. Klerks**. 2015. Effects from a short-term exposure to copper or cadmium in gravid females of the livebearer fish (*Gambusia affinis*). *Ecotoxicology and Environmental Safety* 118: 199-203
 82. Cazan, A.M. and **P.L. Klerks**. 2015. Physiological effects and reduced tolerance following maternal metal exposure in the live-bearing fish *Gambusia affinis*. *Environmental Toxicology and Chemistry* 34: 1337-1344

83. Cazan, A.M. and **P.L. Klerks**. 2015. Effects on life history variables and population dynamics following maternal metal exposure in the live-bearing fish *Gambusia affinis*. *Ecotoxicology* 24: 626-635
84. Delahoussaye, A.J., **B.R. Moon**, and M.A. Rees. 2015. Zooarchaeology of the portage mounds site (16SM5) in Southern Louisiana. *Louisiana Archaeology* 39:5–31 (issue dated 2012, published 2015). No impact factor available for this journal.
85. Delahoussaye, A.J., **B.R. Moon**, and M.A. Rees. 2015. Zooarchaeology of the portage mounds site (16SM5) in southern Louisiana. *Louisiana Archaeology* 39:5–31 (issue dated 2012, published 2015). No impact factor available for this journal.
86. **DeRamus, H.A.**, C.Y. Jeong, **T.J. Clement**, and **J.C. Berry**. 2015. Comparison of Beef Cattle Grazing Management Practices and Their Effects on Runoff Water Quality in Louisiana. *Global Journal of Agricultural Innovation, Research and Development*. Vol 2, No 1, 1-15.
87. Emblom, W.J., Aithal, M., Jones, J.J., **Pesacreta, T.C.**, Glass, G.A., Islam, M.F.S. I., and Wagner, S.W. 2015. A microstrain measurement methodology applied to multiscale hydroforming of annealed ASTM304 stainless steel sheet. *J. Strain Analysis* 50:584-593.
88. **Felder, D.L.** 2015. A new species of the ghost shrimp genus *Lepidophthalmus* (Crustacea: Decapoda: Axiidea) from the Southwestern Gulf of Mexico. *Zootaxa* 3985 (3): 409–420.
89. **Felder, D.L.**, and R. Robles. 2015. Two new species of the genus *Lepidophthalmus* (Decapoda, Axiidea, Callianassidae) from coastal Pacific waters of Central America. *Zootaxa* 4020 (3): 431–452.
90. **Felder, D.L.**, and P. C. Dworschak. 2015. Comments on two questionably newaxiidean taxa from the Gulf of Mexico (Crustacea: Decapoda). *Zootaxa* 4057 (2): 265–272.
91. Frank, D., **Deaton, L.**, Shumway, S., Holohan, B., and Ward, E. 2015. Modulation of Pumping Rate by Two Species of Marine Bivalve Molluscs in Response to Neurotransmitters: comparison of in vitro and in vivo results. *Comp. Biochem. Physiol. A* 185:150-158.
92. Gabriel, D., W.E. Schmidt, D. Kravesky, D.J. Harris and **S. Fredericq**. 2015. The species of *Peyssonnelia* Decaisne 1843 (Peyssonneliales, Rhodophyta) in the Azorean Archipelago: from five to one. *Arquipelago, Life and Marine Sciences* 32:1-9.
93. Granados-Cifuentes C., **J. Neigel, P. Leberg** and M. Rodriguez-Lanetty M. 2015. Genetic diversity of free-living *Symbiodinium* in the Caribbean: the importance of habitats and seasons. *Coral Reefs*. 34:927-939.
94. **Hester, M.W.**, J. M. Willis, and T. M. Sloey. 2015. Field assessment of environmental factors constraining the development and expansion of *Schoenoplectus californicus* marsh at a California tidal freshwater restoration site. *Wetlands Ecology and Management*. DOI: 10.1007/s11273-015-9448-9.
95. Houston, L.M., **Hasenstein K.H.**, Deoli, N.T. (2015) “The Mean Method: A Specific Outlier Boundary for Arbitrary Distributions.” *Theoretical Mathematics & Applications* 5(4) 1-12.
96. McFarlin, C. R., T. D. Bishop, **M.W. Hester**, and M. Alber. 2015. Context-dependent effects on the loss of *Spartina alterniflora* on salt marsh invertebrate communities. *Estuarine, Coastal and Shelf Science*. <http://dx.doi.org/10.1016/j.eccs.2015.05.045>.

97. **Mopper, S.**, K. Wiens, G. Goranova. *In review*. Competition, salinity, and clonal growth in native and invasive irises. Submitted to the **American Journal of Botany**.
98. **Nelson, J.A.**, Garritt H., Deegan, L. Drivers of spatial and temporal variability in estuarine food webs *Marine Ecology Progress Series* 533:67-77.
99. Oguma, A.Y. and **P.L. Klerks**. 2015. Evidence for mild sediment Pb contamination affecting leaf-litter decomposition in a lake. *Ecotoxicology* 24: 1322-1329.
100. Osawa, Y., M. N. Aoki, **R.T. Bauer**, M. Thiel. 2015. Numbers and sizes of shrimps *Rhynchocinetes uritai* Kubo (Decapoda: Caridea) caught in bait and refuge traps. *Journal of Crustacean Biology* 35: 786-775.
101. Osawa, Y., M. N. Aoki, M. Thiel, and **R.T. Bauer**. 2015. Analysis of Life-History Traits in a Sex-Changing Marine Shrimp (Decapoda: Caridea: Rhynchocinetidae). *Biological Bulletin*, 228: 125–136.
102. **Pesacreta, T.C.** 2015. F-actin distribution in root primary tissues of several seed plant species. *American Journal of Botany* 102:1-12.
103. Pruet, J.R., Jr., Kandala, S., Petersen, S.E., & **Povinelli, D.J.** 2015. Theory of mind, relational reasoning, and social responsiveness in children with and without autism: demonstration of feasibility for a larger-scale study. *Journal of Autism and Developmental Disorders*, 45: 2243-51.
104. Rasch, J.A. and **R.T. Bauer**. 2015. Temporal variation in population structure of the isopod *Urobopyrus processae* Richardson, 1904 (Isopoda: Bopyridae) infesting the branchial chamber of the night shrimp *Ambidexter symmetricus* Manning and Chace, 1971 (Decapoda: Processidae). *Nauplius* 23: 89-103.
105. Rasch, J.A. and **R.T. Bauer**. 2015. Reproductive pattern and sexual system of the nocturnal seagrass shrimp *Ambidexter symmetricus* (Decapoda: Caridea: Processidae) in a Florida bay. *Marine & Freshwater Research* <http://dx.doi.org/10.1071/MF14159>.
106. Robles, R., and **D.L. Felder**. 2015. Molecular phylogeny of the genus *Lepidophthalmus* (Decapoda, Callinassidae), with re-examination of its species composition. *Zootaxa* 4020 (3): 453–472.
107. Rodriguez-Mora, M.J., M.I. Scranton, G.T. Taylor and **A.Y. Chistoserdov**. 2015. Bacterial Diversity in the Redox Transition and Anoxic Zones of the Cariaco Basin Assessed by Massively Parallel Tag Sequencing. *FEMS Microbiol. Ecol.* 91(9): fiv088.
108. Ruan CJ, **S. Mopper**. *In review*. High-crown grafting to increase low yields in *Camellia oleifera*. Submitted to *Scientia Horticulturae*.
109. Sanjeevi P., T. T. Ajithkumar, **R. Bauer**, M. Thiel, and T. Subramoniam. 2015. Reproductive morphology and mating behavior in the Hingebeak shrimp *Rhynchocinetes durbanensis*.
110. Tagliacollo*, V. A., **S.M. Duke-Sylvester**, F. F. Roxo, C. Oliveira, and **J.S. Albert**. 2015. Biogeographic signature of river capture in Amazonian lowlands. *Journal of Biogeography*. (Impact factor: 4.59)
111. Tagliacollo, V. A., **S.M. Duke-Sylvester**, W. A. Matamoros, and P. A. Chakrabarty, **J. S. Albert***. 2015. Coordinated Dispersal and the Pre-Isthmian Assembly of the Central American Ichthyofauna. *Systematic Biology*, doi: 10.1093/sysbio/syv064.
112. Tang, P-C, and **G.M. Watson**. 2015. Proteomic identification of hair bundle repair proteins in the model Sea Anemone, *Nematostella vectensis*. *Hearing Research* 327:245-256.

113. Upadhyaya HD, **Y-H Wang**, DVSSR Sastry, SL Dwivedi, PV Vara Prasad, A. Millie Burrell, Robert R Klein, Geoffrey P Morris, Patricia E Klein. 2015. Association mapping of low temperature germinability and seedling vigor in sorghum. *Genome* doi: 10.1139/gen-2015-0122.
114. Vasseur, P.L. and **P.L. Leberg**. 2015. Effects of habitat edges and nest-site characteristics on Painted Bunting nest success. *Journal of Field Ornithology* 86:27-40.
115. Willis, J. M., and **M.W. Hester**. 2015. Evaluating postharvest sugarcane residue amendment and broadcast fertilizer application as techniques to enhance dune grass establishment and expansion. *Ecological Restoration*. 33: 190-196.
116. Yang, E.C., K.M. Kim, S.Y. Kim, J.M. Lee, H.H. Boo, J.-H. Lee, W. A. Nelson, G. Yi, W.E. Schmidt, **S. Fredericq**, S.M. Boo, D. Bhattacharya & H.S. Yoon. 2015. High conservation of mtDNA gene content and structure among multicellular red algae of the Florideophyceae. *Genome Biology and Evolution* 7:2394-2406.
117. Yednock, B.K. Sullivan and **J. Neigel**. 2015. *De novo* assembly of a transcriptome from juvenile blue crabs (*Callinectes sapidus*) following exposure to surrogate Macondo crude oil BMC Genomics. 16: 521.
118. Ackleh, A., S. Delcambre, K.L. Sutton and **D.G. Ennis**. 2014. A Structured Mathematical Model for Spread of *Mycobacterium marinum*: Foundations for a Numerical Approximation Scheme. *Journal of Mathematics, Biosciences and Engineering*. **11**:679-721
119. Ackleh, A., S. Delcambre, K.N. Mutoji, A. Mallick, K.L. Sutton, K.L. and **D.G. Ennis**. 2014. Structured Mathematical Models for the Transmission Dynamics of *Mycobacterium marinum* Between Aquatic Animals. *Journal of Biological Dynamics* **22**:29-60
120. Arakaki, N., M. Suzuki and **S. Fredericq**. 2014. *Halarachnion* (Furcellariaceae, Rhodophyta), a newly reported genus for the Gulf of Mexico, with the description of *H. louisianensis*, sp. nov. *Phycological Research* **62**:306-315
121. Baeza, J.A., **R.T. Bauer**, J. Okuno and M. Thiel. 2014. Molecular phylogeny of hinge-beak shrimps (Decapoda: Caridea: Rhynchocinetes and *Cinetorhynchus*) and allies: a formal test of familiar and generic monophyly using a multilocus phylogeny. *Zoological Journal of the Linnean Society* **172**:426-450
122. **Bauer, R.T.**, J. Okuno and M. Thiel. 2014. Inferences on mating and sexual systems of two Pacific *Cinetorhynchus* shrimps (Decapoda, Rhynchocinetidae) based on sexual dimorphism in body size and cheliped weaponry. *Zookeys* **457**:187-209
123. Bracken-Grissom, H. D. and **D.L. Felder**. 2014. Revision of American snapping shrimps allied to *Alpheus floridanus* Kingsley, 1878 (Crustacea: Decapoda: Alpheidae). *Zootaxa* **3895**:451-491
124. Bracken-Grissom, H. D. and **D.L. Felder**. 2014. Molecular phylogenetics of snapping shrimps allied to *Alpheus floridanus* Kingsley, 1878 (Crustacea: Decapoda: Alpheidae). *Zootax.* **3895**:492-502
125. Bracken-Grissom, H.D., S. Ahyong, R. Wilkinson, C. Schweitzer, S. Ahyong, F. Palero, M. Tsang, K-H. Chu, J.W. Martin, R.M. Feldmann, M. Bendall, **D.L. Felder**, R. Robles, D. Kim, T-Y. Chan and K. A. Crandall. 2014. The Emergence of the Lobsters: Phylogenetic Relationships, Morphological Evolution and Divergence Time Comparisons of an Ancient Group (Decapoda: Achelata, Astacidea, Glypheidea, Polychelida). *Systematic Biology* **63**:457-479

126. Cao, J., J. Chen, J. Wang, **P. Klerks** and L. Xie. 2014. Effects of sodium fluoride on MAPKs signaling pathway in the gills of a freshwater teleost, *Cyprinus carpio*. *Aquatic Toxicology* **152**:164-172
127. Castilho, A.L., F.A.M. Freire, **R.T. Bauer**, V. Fransozo, R.C. Costa and A. Fransozo. 2014. Continuous reproduction and recruitment patterns in the commercially important sea bob shrimp *Xiphopenaeus kroyeri* (Crustacea: Penaeoidea): synthesis of a 5-year study. *Journal of Crustacean Biology* **35**: 30-40
128. Cazan, A.M. and **P.L. Klerks**. 2014. Evidence of maternal copper and cadmium transfer in two live-bearing fish species. *Ecotoxicology* **23**:1774-1783
129. De Moura Neves B., E. Edinger, C. Hillaire-Marcel, E. Heestand Saucier, **S.C. France**, M. Treble and V. Wareham. 2014. Dense forests of a deep-water bamboo coral in a muddy Arctic environment. *Marine Biodiversity* online early pub doi: 10.1007/s12526-014-0291-7
130. Gregati, R.A., V. Fransozo, L.S. López-Greco, M.L. Negreiros-Fransozo and **R.T. Bauer**. 2014. Functional morphology of the reproductive system and sperm transfer in *Stenopus hispidus* (Crustacea: Decapoda: Stenopodidea) and their relation to mating system. *Invertebrate Biology* **133**:381-393
131. Faughn, C., N. Marrus, J. Shuman, S.E. Petersen, J.N. Constantino, J.R. Pruett, Jr. and **D.J. Povinelli**. 2014. Chimpanzee social responsiveness scale detects individual variation in species-typical social responsiveness. *Journal of Autism and Developmental Disorders*. DOI: 10.1007/s10803-014-2273-9
132. **Felder, D.L.**, B. Thoma, W. Schmidt. **S. Self-Krayesky**, **A. Chistoserdov**, H. Bracken-Grissom and **S. Fredericq**. 2014. Seaweeds and decapod crustaceans on Gulf deep banks after the Macondo oil spill. *Bioscience* **64**:808-819
133. **Fredericq, S.**, N. Arakaki, O. Camacho, D. Gabriel, D. Krayesky, **S. Self-Krayesky**, G. Rees, J. Richards, T. Sauvage, D. Venera-Ponton and W.E. Schmidt. 2014. A dynamic approach to the study of rhodoliths: a case study for the Northwestern Gulf of Mexico. *Cryptogamie Algologie* **35**:77-98
134. Gallant, J.R., L.L. Traeger, J.D. Volkening, H. Moffett, Po-Hao Chen, C.D. Novina, R. Anand, G.B. Wells, M. Pinch, R. Gueth, G.A. Unguez, **J.S. Albert**, H.H. Zakon, M. J. Samanta and M.R. Sussman. Genomic Basis for the Convergent Evolution of Electric Organs. *Science* **344**:1522-1525
135. Ivanyisky, S.J. and **J.S. Albert**. Systematics and biogeography of Sternarchellini (Gymnotiformes: Apterontidae): Diversification of electric fishes in large Amazonian rivers. *Neotropical Ichthyology* **12**:565-584
136. Matamoros, W.A., C.D. McMahan, P. Chakrabarty and **J.S. Albert**. Derivation of the freshwater fish fauna of Central America revisited: Myers's hypothesis in the 21st Century. *Cladistics* **2104**: 1-12
137. Maxime, E. L. and **J.S. Albert**. Redescription of the tuvirão, *Gymnotus inaequilabiatus* Valenciennes, 1839, using high-resolution X-ray computed tomography. *Copeia* **2014**:462-472
138. Morgan, S.G., J.L. Fisher, S.T. McAfee, J.L. Largier, S.H. Miller, M.M. Sheridan, and **J.E. Neigel**. 2014. Transport of crustacean larvae between a low-inflow estuary and coastal waters. *Estuaries and Coasts*. **37**:1269-1283

139. Pante E., J. Abdelkrim, A. Viricel, D. Gey, **S.C. France**, M.C. Boisselier and S. Samadi. 2014. Use of RAD sequencing for delimiting species. *Heredity* online early pub doi:10.1038/hdy.2014.105
140. Park M.R., **Y-H. Wang** and **K.H. Hasenstein**. 2014. Profiling gene expression in germinating Brassica roots. *Plant Molecular Biology Reporter* **32**:541-548
141. **Pesacreta, T.C.** and M. Purpera. 2014. Light microscopy survey of extant gymnosperm root protophloem, and comparison with basal angiosperms. *Botany* **92**:388-401, 10.1139/cjb-2013-0284
142. Poore, G.C.B., S.T. Ahyong, H.D. Bracken-Grissom, T-Y. Chan, K.H. Chu, K.A. Crandall, P.C. Dworschak, **D.L. Felder**, R.M. Feldmann, M. Hyzny, H. Karasawa, R. Lemaitre T. Komai, X. Li, F. L. Mantelatto, J. W. Martin, N. Ngoc-Ho, R. Robles, C. Schweitzer, A. Tamaki, L. Tsang and C. C. Tudge. 2014. On stabilizing the names of the infraorder of thalassinidean shrimps, Axiidea de Saint Laurent, 1979 and Gebiidea de Saint Laurent, 1979 (Decapoda). *Crustaceana* **87**:1258-1272
143. Prada, C., M. B. DeBiasse, **J.E. Neigel**, B. Yednock, J.L. Stake, Z.H. Forsman, I.B. Baums, M.E. Hellberg. 2014. Genetic species delineation among branching Caribbean Porites corals. *Coral Reefs* **33**:1019-1030
144. Rebolledo-Navarro, A., I. S. Wehrmann, **D.L. Felder** and Fernando L. Mantelatto. 2014. Egg production in the sponge-dwelling snapping shrimp *Synalpheus apioceros* (Decapoda, Alpheidae) from Bocas del Toro, Panama. *ZooKeys* **457**:227-238
145. Richards J.L., P.W. Gabrielson and **S. Fredericq**. 2014. New insights into the genus *Lithophyllum* (Lithophylloideae; Corallinaceae, Corallinales) from offshore the Northwest Gulf of Mexico. *Phytotaxa* **190**:162-175
146. Roxo, F.F., **J.S. Albert**, G.S.C. Silva, C.H. Zawadzki, F. Foresti and C. Oliveira. Molecular Phylogeny and Biogeographic History of the Armored Neotropical Catfish Subfamilies Hypoptopomatinae, Neoplecostominae and Otothyriinae (Siluriformes: Loricariidae). *PLOS ONE* **9**: e105564
147. Sal Moyano, M.P., A.M. Lagos-Tobias, **D.L. Felder** and F.L. Mantelatto. 2014. Relative growth and reproductive dynamics in a population of *Microphrys bicornutus* (Latreille, 1825) (Brachyura, Majoidea) from Bocas del Toro, Caribbean Sea, Panama. *Revista de Biología Marina y Oceanografía* **49**:81-90
148. Sauvage, T., M.J. Wynne, V.J. Paul and **S. Fredericq**. 2014. Morphological and molecular clarification of the enigmatic *Caulerpa floridana* W.R. Taylor (Chlorophyta, Bryopsidales) from the Dry Tortugas, Florida. *European Journal of Phycology* **49**: 370-383
149. **Smith, K.M.**, M.E. Maragnoli, P.M. Phull, K.M. Tran, L. Choubey, F.M. Vaccarino. 2014. Fgfr1 inactivation in the mouse telencephalon results in impaired maturation of interneurons expressing parvalbumin. *PLoS One*. 2014 Aug 12;9(8):e103696. doi: 10.1371/journal.pone.0103696
150. Tang P.-C., **G.M. Watson**. 2014. Cadherin-23 may be dynamic in hair bundles of the model sea anemone *Nematostella vectensis*. *PLoS ONE* **9**:e86084. doi:10.1371/journal.pone.0086084
151. Teboh-Ewungkem, M.I., J. Mohammed-Awel, F.N. Baliraine and **S.M. Duke-Sylvester**. 2014. The Effects of Intermittent Preventive Treatment on Antimalarial Drug Resistance Spread in Areas with Population Movement. *Malaria Journal* **13**:428

152. Thigpen, T.F., A.Y. Oguma and **P.L. Klerks**. 2014. The effects of phenanthrene on the benthic macroinvertebrate community of a Louisiana swamp. *Eastern Biologist*. **2**:1-11
153. Thoma, B. P., D. Guinot and **D.L. Felder**. 2014. Evolutionary relationships among American mud crabs (Crustacea: Decapoda: Brachyura: Xanthoidea) inferred from nuclear and mitochondrial markers, with comments on adult morphology. *Zoological Journal of the Linnean Society* **170**:86-109
154. Tobin, E. J., J.M. Visser, J.K. Peterson, and **P.L. Leberg**. 2014. Small-Mammal Occupancy in Freshwater Marshes of Mandalay National Wildlife Refuge, Louisiana. *Southeastern Naturalist* **13**:463-474
155. Walter, S.T., M.R. Carloss, T.J. Hess and **P.L. Leberg**. 2014. Demographic trends of Brown Pelicans in Louisiana before and after the Deepwater Horizon oil spill. *Journal of Field Ornithology* **85**:421-429
156. Walter, S.T., J.J. Dindo, **P.L. Leberg** and J. Karubian. 2014. Factors influencing Brown Pelican (*Pelecanus occidentalis*) foraging movement patterns during the breeding season. *Canadian Journal of Zoology* **92**:885-891
157. Whitten, M.M., C.E. Davies, A. Kim, M. Tlusty, E.C. Wootton, **A. Chistoserdov**, A.F. Rowley. 2014. Cuticles of European and American lobsters harbor diverse bacterial species that affect disease susceptibility. *Microbiol. Open*. doi: 10.1002/mbo3.174
158. Windsor, A.M. and **D. L. Felder**. 2014. Molecular phylogenetics and taxonomic reanalysis of the family Mithracidae (Decapoda: Brachyura: Majoidea). *Invertebrate Systematics* **28**:245-173
159. Yednock, B. K. and **J.E. Neigel**. 2014. Detecting Selection in the Blue Crab, *Callinectes sapidus*, Using DNA Sequence Data from Multiple Nuclear Protein-Coding Genes. *PLoS ONE* **9**(6).
160. Yednock, B.K. and **J.E. Neigel**. 2014. An investigation of genetic population structure in blue crabs, *Callinectes sapidus*, using nuclear gene sequences. *Marine Biology*. **161**:871-886
161. Adeyemi, J., T. Atereb and **L. Deaton**. 2013. Oxidative damage and changes in Glutathione S-transferase activity in juvenile African catfish, *Clarias gariepinus* exposed to cypermethrin and chlorpyrifos. *Biokemistri* **25**:113-117
162. Adeyemi, J., and **P.L. Klerks**. 2013. Occurrence of copper acclimation in the least killifish, *Heterandria formosa* and the associated biochemical and physiological mechanisms. *Aquatic Toxicology* **130-131**:51-57
163. Allaire, K.M., and **G.M. Watson**. 2013. Rho participates in chemoreceptor-induced changes in morphology to hair bundle mechanoreceptors of the Sea Anemone, *Nematostella vectensis*. *Journal of Comparative Biochemistry and Physiology, Part A* **165**:139-148
164. Baas, P., **M.W. Hester** and S.B. Joye. 2013. Benthic primary production and nitrogen cycling in *Spartina alterniflora* marshes: Effect of restoration after acute dieback. *Biogeochemistry*. DOI: 10.1007/s10533-013-9897-2
165. **Bauer, R.T.** 2013. Amphidromy in shrimps: A life history pattern between rivers and the sea. *Latin American Journal of Aquatic Research* **41**:633-650.
166. Bozo-Hurtado, L., M.A. García-Amado, **A. Chistoserdov**, R. Varela, J.J. Narvaez, R. Colwell and P. Suárez. 2013. Identification of bacteria in enrichment cultures of sulfate reducers in the Cariaco Basin water column employing denaturing gradient Gel Electrophoresis of 16S ribosomal RNA gene fragments. *Aquatic Biosystems* **9**:17

167. Bracken-Grissom, H. D., M. Cannon, P. Cabezas, R. M. Feldmann, C. E. Schweitzer, S.T. Ah Yong, **D.L. Felder**, R. Lemaitre and K. A. Crandall. 2013. A comprehensive and integrative reconstruction of evolutionary history for Anomura (Crustacea: Decapoda). *BMC Evolutionary Biology* 1-37
168. **Brown, R.C.**, and **B.E. Lemmon**. 2013. Sporogenesis in Bryophytes: Patterns and Diversity in Meiosis. *Botanical Review* **79**:178-280
169. Brugler, M.R., D.M. Opresko and **S.C. France**. 2013. The evolutionary history of the order Antipatharia (Cnidaria: Anthozoa: Hexacorallia) as inferred from mitochondrial and nuclear DNA: Implications for black coral taxonomy and systematics. *Zoological Journal of the Linnean Society* **169**:312-361
170. Bryant, L., A. Coffey, **D.J. Povinelli** and J.R. Pruett, Jr. 2013. Theory of mind experience sampling in typical adults. *Consciousness and Cognition*. **22**:697-707
171. **Duke-Sylvester, S.M.**, R. Biek, and L.A. Real. 2013. Molecular Evolutionary Signatures Reveal the Role of Host Ecological Dynamics in Viral Disease Emergence and Spread. *Philosophical Transactions Royal Society B*. **368**:20120194
172. Hampton, P.M., and **B.R. Moon**. 2013. Gape Size, its Morphological Basis, and the Validity of Indirect Gape Indices in Western Diamond-backed Rattlesnakes (*Crotalus atrox*). *Journal of Morphology* **274**:194-202
173. **Hasenstein, K.H.**, S.P. John, P. Scherp, **D. Povinelli** and **S. Mopper**. 2013. Analysis of magnetic gradients to study gravitropism. *American Journal of Botany* **100**:249-255
174. **Hasenstein, K.H.**, and P. Scherp. 2013. Biotechnology in Space: Challenges and Opportunities for Solid Phase Gene Extraction. *Current Biotechnology* **2**: 175-178
175. Hutchison, N., R.F. Lance and **P.L. Leberg**. 2013. Development of novel microsatellite markers for the Secret Cave Cricket, *Ceuthophilus secretus*. *Journal of Insect Science* **13**:64
176. Jeong, C.Y., **A. DeRamus**, J.J. Wang and L.L. Goodeaux. 2013 Effects of Sugarcane Residue Management on Nitrogen Losses in Surface and Sub-surface water from Sugarcane fields. *Archives of Agronomy and Soil Science*, DOI:10.1080/03650340.2013.771813
177. Khattab A, P. Zhang, R. H. Rizvi and **T.C. Pesacreta** 2013. Microstructure and fracture morphology of carbon nano-fiber modified asphalt and hot mix asphalt mixtures. *Materials and Structures*. DOI 10.1617/s11527-013-0035-3
178. Lai, Joelle C., B.P. Thoma, P.F. Clark, **D.L. Felder**, and P.K.L. Ng. 2013. Evolutionary relationships of eriphioid crabs (Crustacea, Brachyura, Eriphioidea) inferred from molecular genetics and larval morphology. *Zoologica Scripta*, 1-32
179. Mateo-Cid, L.E., A.C. Mondoza-González and **S. Fredericq**. 2013. A checklist of deep-water seaweeds from Campeche Banks, Mexico. *Acta Botanica Venezuelica*
180. Moore, J.A., and **C.A. Chlan**. 2013. Elucidation of nuclear and organellar genomes of *Gossypium hirsutum*: Furthering studies of species evolution and applications for crop improvement. *Biology* **2**:1224-1241
181. Nyman, J.A., D.M. Baltz, M.D. Kaller, **P.L. Leberg**, C. Parsons Richards, R.P. Romaine and T.M. Soniat. 2013. Likely changes in habitat quality for fish and wildlife in coastal Louisiana during the next 50 years. *Journal of Coastal Research Special Issue* **67**:60-74
182. Oguma, A.Y., and **P.L. Klerks**. 2013. The role of native salinity regime on grass shrimp (*Palaemonetes pugio*) sensitivity to cadmium. *Ecotoxicology* **22**:279-286

183. Olivier T.J., and **R.T. Bauer**. 2013. Impacts of river control structures on the juvenile migration of the amphidromous river shrimp *Macrobrachium ohione* (smith): possible solutions for the restoration of upstream populations. *Freshwater Biology* **58**:1603-1613
184. Pante, E., E. Heestand-Saucier and **S.C. France**. 2013. Molecular and morphological data support reclassification of the octocoral genus *Isidoides*. *Invertebrate Systematics* **27**:365-378
185. Peterson, T.S., J.A. Ferguson, V.G. Watral, K.N. Mutoji, **D.G. Ennis**, and M.L. Kent. 2013, *Paramecium caudatum* enhances transmission and infectivity of *Mycobacterium marinum* and *M. chelonae* in Zebrafish (*Danio rerio*). *Disease of Aquatic Organisms*, **106**: 229-239
186. Proud, D.N., and **B.E. Felgenhauer**. 2013. Ultrastructure of the sexually dimorphic tarsal glands and tegumental glands in gonyleptoid harvestment (Opiliones, Laniatores) *Journal of Morphology* **274**:1305-1215
187. Pruett, J.R., S. Hoertel, J.N. Constantino, A. LaMacchia, K. Moll, E. McVey, S. Squire, E. Feczko, **D.J. Povinelli**, and S.E. Petersen. 2013. Impaired Eye Region Search Accuracy in Children with Autistic Spectrum Disorders. *PLOS One* **8**(3): e58167. DOI:10.1371/journal.pone.0058167.
188. Quinn, R.A., R.J. Cawthorn, R.L. Summerfield, R. Smolowitz and **A.Y. Chistoserdov**. 2013. Bacterial Communities Associated with Lesions of Two Forms of Shell Disease in the American Lobster (*Homarus americanus*, Milne Edwards) from Atlantic Canada. *Canadian Journal of Microbiology* **59**: 380-390
189. Quinn, R.A., R. Smolowitz and **A.Y. Chistoserdov**. 2013. Culture independent analysis of bacterial communities in hemolymph of the American lobsters with epizootic shell disease. *Diseases of Aquatic Organisms* **103**:141-148
190. Rodriguez Mora, M.J., M. Scranton, G. Taylor and **A.Y. Chistoserdov**. 2013. Bacterial community composition in a large marine anoxic basin: A Cariaco Basin time-series survey. *FEMS Microbiology Ecology* **84**: 625-639
191. Sauvage, T., P. Payri, S.G.A Draisma, W.F. Prud'homme van Reine, H. Verbruggen H., A. Sherwood and **S. Fredericq**. 2013. Molecular diversity of the *Caulerpa racemosa*-*Caulerpa peltata* complex (Caulerpaceae, Bryopsidales) in New Caledonia, with new Australasian records for *C. racemosa* var. *cylindracea*. *Phycologia* **52**:6-13
192. Smolowitz, R., R.A. Quinn, R.J. Cawthorn, R.L. Summerfield and **A.Y. Chistoserdov**. 2013. Pathology of Two Forms of Shell Disease of the American Lobster *Homarus americanus* Milne Edwards in Atlantic Canada. *Journal Fish Diseases* doi:10.1111/jfd.12136
193. Upadhyaya, H.D., **Y-H. Wang**, R. Sharma and S. Sharma 2013. SNP markers linked to leaf rust and grain mold in sorghum. *Molecular Breed* **32**:451-462
194. Upadhyaya, H.D., **Y-H. Wang**, R. Sharma and S. Sharma. 2013. Identification of genetic markers linked to anthracnose resistance in sorghum using association analysis. *Theoretical Applied Genetics* **126**:1649-1657
195. Upadhyaya, H.D., **Y-H Wang**, C.L.L. Gowda and S. Sharma 2013. Association mapping of maturity and plant height using SNP markers with the sorghum mini core collection. *Theoretical Applied Genetics* **126**:2003-2015
196. Visser, J.M., **S.M. Duke-Sylvester**, J. Carter, and W.P. Broussard. 2013. A Computer Model to Forecast Wetland Vegetation Changes Resulting from Restoration and Protection in Coastal Louisiana. *Journal of Coastal Research*. **67**:51-59

197. Vogt, S.K., **A.G. Billock, P.L. Klerks**. 2013. Acute copper toxicity and acclimation to copper using the behavioral endpoint of shoaling, in the least killifish (*Heterandria formosa*). *Water Air Soil Pollution* **224**:1627-163
198. Walter, S.T., M.R. Carloss, T.J. Hess, N.R.G. Athrey and **P.L. Leberg**. 2013. Brown Pelican movement patterns and population structure. *Condor* **115**:788-799
199. Walter, S.T., M.R. Carloss, T.J. Hess and **P.L. Leberg**. 2013. Hurricane, habitat degradation, and land loss effects on Brown Pelican nesting colonies, *Journal of Coastal Research* **29**:187-195
200. Walter, S.T., M.R. Carloss, T.J. Hess, G. Athrey and **P.L. Leberg**. 2013. Brown Pelican Colony Initiation Attempts: Translocations and Decoys, *Waterbirds* **36**:52-61
201. **Wang, Y-H.**, A. Acharya, A.M. Burrell, R.R. Klein, P.E. Klein and **K.H. Hasenstein**. 2013. Mapping and candidate genes associated with saccharification yield in sorghum. *Genome* **56**:659-665
202. **Wang Y-H**, H.D. Upadhyaya, A.M. Burrell, S.M. Sahraeian, R.R. Klein and P.E. Klein. 2013. Genetic structure and linkage disequilibrium in a diverse, representative collection of the C4 model plant, Sorghum bicolor. *G3: Genes Genomes Genetics* **3**:783-793
203. Adeyemi, J, and **L. Deaton**. 2012. The effect of cadmium exposure on digestive enzymes in the Eastern Oyster, *Crassostrea virginica*. *Journal of Shellfish Research* **31**:631-634
204. Adeyemi, J, **L. Deaton, P. Klerks** and **T. Pesacreta**. 2012. Effects of copper on osmoregulation in the Sheepshead Minnow, *Cyprinodon variegatus*, acclimated to different salinities. *Aquatic Toxicology* **109**:111-117
205. Adeyemi, J., and **P.L. Klerks**. 2012. Salinity acclimation modulates copper toxicity in the Sheepshead Minnow, *Cyprinodon variegatus*. *Environmental Toxicology and Chemistry* **31**:1573-1578
206. **Albert, J.S.**, and **D.M. Johnson**. 2012. Diversity and evolution of body size in fishes. *Evolutionary Biology* **39**:324-340
207. Athrey, N.R.G, R.F. Lance and **P.L. Leberg**. 2012. How far is too close? Restricted, sex-biased dispersal in Black-capped Vireos. *Molecular Ecology* **21**:4359-4370
208. Athrey, N.R.G., K.R. Barr, R.F. Lance and **P.L. Leberg**. 2012. Birds in space and time: Genetic changes accompanying anthropogenic habitat fragmentation in the endangered Black-capped Vireo (*Vireo atricapilla*). *Evolutionary Applications* **5**:540-552
209. Baustian, J.J., I. A. Mendelsohn, and **M.W. Hester**. 2012. Vegetation's importance in regulating surface elevation in a coastal salt marsh facing elevated rates of sea level rise. *Global Change Biology*. **18**:3377-3382
210. Bellantuono, A.J., O. Hoegh-Guldberg and **M. Rodriguez-Lanetty**. 2012. Resistance to thermal stress in corals without changes in symbiont composition. *Proceedings of the Royal Society B-Biological Sciences* **279**:1100-1107
211. Bracken-Grissom, H.D., **D.L. Felder**, N.L. Vollmer, J.W. Martin and K.A. Crandall. 2012. Phylogenetics Links Monster Larva to Deep-Sea Shrimp. *Ecology and Evolution* **2**: i-i, 2367-2635
212. Carvalho, T.P., J. Araujo Flores, J. Espino, G. Trevejo, H. Ortega, C. Jerep, R.E. Reis, and **J.S. Albert**. 2012. Fishes from the río Las Piedras, Madre de Dios basin, Peruvian Amazon. *Checklist* **12**:973-1019

213. **Chistoserdov, A.Y.**, R.A. Quinn, S.-L. Gubbala and R. Smolowitz. 2012. Bacterial communities associated with lesions of shell disease in the American lobster, *Homarus americanus* Milne-Edwards. *Journal of Shellfish Research* **31**: 449-462.
214. De Grave, S., and **D.L. Felder**. 2012. The genus *Processa* in the vicinity of Carrie Bow Cay (Belize), with description of a new species (Crustacea: Decapoda: Processidae). *Zootaxa* **3436**:41-50
215. Frey, S., and **D.J. Povinelli**. 2012. Comparative investigations of manual action representations: Evidence for context sensitive action selection in chimpanzees. *Philosophical Transactions of the Royal Society B*. **367**:48-58
216. Gallagher, S., and **D.J. Povinelli**. 2012. Enactive and behavioral abstraction accounts of social understanding in chimpanzees, infants, and adults. *Review of Philosophy and Psychology*. **3**:145-169
217. Krauss, K.W., K.L. McKee and **M.W. Hester**. 2012. Water use characteristics of Black Mangrove (*Avicennia germinans*) communities along an ecotone with marsh at a Northern geographical limit. *Ecohydrology*. DOI: 10.1002/eco.1353.
218. Krayesky, D., J.N. Norris, J. West, M. Viguerie, B. Wysor and **S. Fredericq**. 2012. Two new species of *Caloglossa* (Delesseriaceae, Ceramiales) from the Americas, *Caloglossa fluviatilis* sp. nov. and *Caloglossa neotropica* sp. nov. *Phycologia* **51**:513-530
219. Lawrence, C., **D.G. Ennis**, C. Harper, M. Kent, K. Murray and Sanders. 2012. Challenges of Implementing Pathogen Control Strategies in Fishes Used in Biomedical Research. *Comparative Biochemistry and Physiology -Part C* **155**:160-166
220. Lemaitre, R., and **D.L. Felder**. 2012. A new species of the hermit crab genus *Areopaguristes* Rahayu & McLaughlin, 2010 (Crustacea: Decapoda: Anomura: Diogenidae) discovered in the Mesoamerican Barrier Reef of Belize, Caribbean Sea. *Zootaxa* **3480**:67-79
221. Lillywhite, H.B., **J.S. Albert**, C.S. Sheehy III and R.S. Seymour. 2012. Gravity and the evolutionary patterns of cardiopulmonary morphology in snakes. *Comparative Biochemistry and Physiology A* **161**:230-242
222. Lin, S.M., **S. Fredericq** and M. H. Hommersand. 2012. Developmental, phylogenetic and systematic studies of *Apoglossum* and *Paraglossum*, Apoglosseae, *trib. nov.* (Delesseriaceae, Rhodophyta). *European Journal of Phycology* **47**:366-383
223. Luent, M.C., M. Collins, C. Jeske and **P.L. Leberg**. 2012. Prevalence of a potentially lethal parasite of wading birds in natural and agricultural wetlands in South Louisiana. *Southeastern Naturalist* **11**:415-422
224. Misra R.D.K., C. Nune, **T.C. Pesacreata**, M.C. Somani and L.P. Karjalainen. 2012. Interplay between grain structure and protein adsorption on functional response of osteoblasts. *Journal of Biomedical Materials Research A*. DOI: 10.1002/jbm.a.34105
225. Morales-Cazan, A., and **J.S. Albert**. 2012. Monophyly of Heterandriini (Teleostei: Poeciliidae) revisited: A critical review of the data. *Neotropical Ichthyology* **10**:19-44
226. Mosi, L., K.N. Mutoji, F.K. Basile, R. Donnell, K.L. Jackson, T. Spangenberg, K. Kishi, **D.G. Ennis**, and P.L.C. Small. 2012 *Mycobacterium ulcerans* causes minimal pathogenesis and colonization in Medaka (*Oryzias latipes*): An experimental fish model of disease transmission. *Microbes and Infection* **14**:719-729

227. Mutoji, K.N., and **D.G. Ennis**. 2012. Expression of common fluorescent reporters may modulate virulence for *Mycogasterium marinum*: Dramatic attenuation results for Gfp over-expression. *Comparative Biochemistry and Physiology -Part C* **155**:39-48
228. Olivier, T.J., S.L. Conner, and **R.T. Bauer**. 2012. Evidence of extended marine planktonic larval development in far-upstream populations of the river shrimp *Macrobrachium ohione* (Smith, 1874) from the Mississippi River. *Journal of Crustacean Biology* **32**:899-905
229. Pante, E., **S.C. France**, A. Couloux, C. Cruaud, C.S. McFadden, S. Samadi and L. Watling. 2012. Deep-sea origin and in-situ diversification of chrysogorgiid octocorals. *PLoS ONE* **7**: e38357
230. Park, M.R., S.H. Baek, B.G. de los Reyes, S.J. Yun and **K.H. Hasenstein**. 2012. Transcriptome profiling characterizes phosphate deficiency effects on carbohydrate metabolism in rice leaves. *Journal of Plant Physiology* **169**:193-205
231. Penn, D.C., K.J. Holyoak and **D.J. Povinelli**. 2012. So are we the massively lucky species? *Behavioral and Brain Sciences*. **35**:236-237
232. Purcell, K.M., A. Hitch, S. Martin, **P.L. Klerks** and **P.L. Leberg**. 2012. The role of genetic structure in the adaptive divergence of populations undergoing sea level rise. *Journal of Evolutionary Biology* **25**:2623-2632
233. Quinn, R.A., A. Metzler, R.M. Smolowitz, M. Thusty and **A.Y. Chistoserdov**. 2012. Shell infections of *Homarus americanus* with three bacteria isolated from naturally occurring epizootic shell disease lesions. *Journal of Shellfish Research* **31**:485-494
234. Quinn, R.A., A. Metzler, M. Thusty, R.M. Smolowitz, **P.L. Leberg** and **A.Y. Chistoserdov**. 2012. Lesion bacterial communities of American lobsters with diet induced shell disease. *Diseases of aquatic organisms* **98**:221-233
235. Sherwood, A., O. Necchi, A.L. Carlile, D.D. Laughinghouse, **S. Fredericq** and R.G. Sheath. 2012. Characterization of a novel freshwater gigartinalean red alga from Belize, with a description of *Sterrocladia belizeana* sp. nov. (Rhodophyta). *Phycologia* **51**:627-635
236. Suli A., **G.M. Watson**, E.W. Rubel, D.W. Raible. 2012. Rheotaxis in larval zebrafish is mediated by lateral line mechanosensory hair cells. *PLoS ONE* **7**:e29727
237. Thoma, B. P., and **D.L. Felder**. 2012. Redescription of *Hexapanopeus lobipes* (A. Milne-Edwards, 1880), with reassignment to *Milnepanopeus* n. gen. (Crustacea: Decapoda: Panopeidae). *Journal of Crustacean Biology* **32**: 141-152
238. Thoma, B.P., P.K. Ng, and **D.L. Felder**. 2012. Review of the family Platyxanthidae Guinot, 1977 (Crustacea, Decapoda, Brachyura, Eriphioidea), with the description of a new genus and a key to genera and species. *Zootaxa* **3498**:1-23
239. Todaro D., and **G.M. Watson**. 2012. Force dependent discharge of nematocysts in the Sea Anemone *Haliplanella luciae* (Verrill). *Bio Open* **1**:582-587
240. Upadhyaya, H.D., **Y-H. Wang**, S. Sharma and S Singh. 2012. Association mapping of height and maturity across five environments using the sorghum mini core collection. *Genome* **55**:471-479
241. Upadhyaya, H.D., **Y-H. Wang**, S. Sharma, S. Singh and **K.H. Hasenstein**. 2012. SSR markers linked to kernel weight and tiller number in sorghum identified by association mapping. *Euphytica* **187**:401-410

242. **Wang, Y-H.**, P. Bible, R. Loganantharaj, H.D. Upadhyaya. 2012. Identification of SSR markers associated with height using pool-based genome-wide association mapping in sorghum. *Mol Breed* **30**:281-292
243. Xie, Z., **J. Neigel**, and **C. Chlan**. 2012. Vicilin genes of *Vigna luteola*: Structure, organization, expression, and variation. *Biochemical Genetics* **50**:372-388
244. **Albert, J.S.**, T. Carvalho, P. Petry, M.A. Holder, E. Maxime, J. Espino, I. Corahua, R. Quispe, B. Rengifo, H. Ortega, and R.E. Reis. 2011b. Aquatic biodiversity in the Amazon: Habitat specialization and geographic isolation promote species richness. *Animals* **1**:205-241
245. Alleman, L.K. and **M.W. Hester**. 2011. Reproductive ecology of Black Mangrove (*Avicennia germinans*) along the Louisiana coast: Propagule production cycles, dispersal limitations, and establishment elevations. *Estuaries and Coast.* **34**: 1068-1077
246. Alleman, L.K. and **M.W. Hester**. 2011. Refinement of the fundamental niche of black mangrove (*Avicennia germinans*) seedlings in Louisiana: Applications for restoration. *Wetlands Ecology and Management.* **19**: 47-60
247. Arakaki, N., K. Alveal, M.E. Ramirez and **S. Fredericq**. 2011. The genus *Callophyllis* (Kallymeniaceae, Rhodophyta) from the Central-South Chilean coast (33° to 41° S), with the description of two new species. *Revista Chilena de Historia Natural* **84**:481-499
248. Athrey, G.N., D. L. Lindsay, R. F. Lance and **P.L. Leberg**. 2011. Crumbling diversity: Comparison of historical archived and contemporary natural populations indicate reduced genetic diversity and increasing genetic differentiation in the Golden-Cheeked Warbler. *Conservation Genetics* **12**:1345-1355
249. Barr, K.R., D.L. Lindsay, N.R.G. Athrey, R.F. Lance, S.A. Tweddale, T.J. Hayden and **P.L. Leberg**. 2011. Missing the forest for the gene trees: Conservation genetics is more than the identification of distinct population segments. *The Auk* **128**:792-794
250. **Bauer, R.T.**, and M. Thiel. 2011. First Description of a pure-search mating system and protandry in the shrimp *Rhynchocinetes uritai* (Decapoda, Caridea). *Journal of Crustacean Biology* **31**: 286-295
251. **Bauer, R.T.**, and S.L. Conner. 2011. Gonochoric sexual system in the Caridean shrimps, *Processa riveroi* and *P. bermudensis* (Decapoda: Processidae), inhabiting a tropical seagrass meadow. *Journal of the Marine Biological Association United Kingdom* **92**: 521-529
252. **Brown, R.C.**, and **B.E. Lemmon**. 2011, *Rapid Report*. Spores before sporophytes: Hypothesizing the origin of sporogenesis at the algal-plant transition. *New Phytologist* **190**:875-881
253. **Brown, R.C.**, and **B.E. Lemmon**. 2011. Dividing without centrioles: Innovative MTOCs organize mitotic spindles in bryophytes, the earliest extant lineages of land plants. *AoB Plants* 2011. doi: 10.1093/aobpla/plr028
254. Bybee, S.M., H.D. Bracken-Grissom, R.A. Hermansen, M.J. Clement, K.A. Crandall and **D.L. Felder**. 2011. Directed next generation sequencing for phylogenetics: An example using Decapoda (Crustacea). *Zoologischer Anzeiger* **250**:497-506
255. Carvalho, T.P., J. Espino, E.L. Maxime, R. Quispe, B. Rengifo, H. Ortega, and **J.S. Albert**. 2011a. Fishes from the Lower Urubamba River near Sepahua, Amazon Basin, Peru. *Check List* **7**:413-442

256. Carvalho, T.P., C.S. Ramos and **J.S. Albert**. 2011b. A new species of *Gymnorhamphichthys* (Gymnotiformes: Rhamphichthyidae) from the Paraná-Paraguay Basin. *Copeia* **2011**:400-406
257. Carvalho, T.P., and **J.S. Albert**. 2011b. Redescription and phylogenetic position of the enigmatic Neotropical electric fish *Iracema caiana* (Gymnotiformes, Rhamphichthyidae) using X-ray computed tomography. *Neotropical Ichthyology* **9**:457-471
258. Chang, S.-J., **M. Rodriguez-Lanetty**, K. Yanagi, S. Nojima and J.-I. Song. 2011. Two anthozoans, *Entacmaea quadricolor* (order Actiniaria) and *Alveopora japonica* (order Scleractinia), host consistent genotypes of *Symbiodinium* spp. across geographic ranges in the Northwestern Pacific Ocean. *Animal Cells and Systems* **15**:315-324
259. **Chlan, C.A.**, K. Rajasekaran, J. Cary and T.E. Cleveland. 2011. Expression patterns of cotton chloroplast genes during development: Implications for development of plastid transformation vectors. *Biologia Plantarum*, **56**:126-130
260. De Buron, I., **S.C. France**, V.A. Connors, W.A. Roumillat and L.C. Tsoi. 2011. Philometrids of the Southern Flounder *Paralichthys lethostigma*: a multidimensional approach to determine their diversity. *Journal of Parasitology* **97**:466-475
261. Doyle, C.M., **P.L. Leberg** and **P.L. Klerks**. 2011. Heritability of heat tolerance in a small livebearing fish, heterandria formosa. *Ecotoxicology* **20**:535-542
262. **Duke-Sylvester, S.M.**, L. Bolzoni, and L.A. Real. 2011. Strong seasonality produces spatial asynchrony in the outbreak of infectious diseases. *Journal of the Royal Society Interface* **8**:817-25
263. Gabriel, D., T. Schils, M.I. Parente, S.G.A. Draisma, A.I. Neto and **S. Fredericq**. 2011. Taxonomic studies in the Schizymeniaceae (Nemastomatales, Rhodophyta): On the identity of *Schizymenia* sp. in the Azores and the generic placement of *Nemastoma confusum*. *Phycologia* **50**:109-121
264. Garcia-Amado, M.A., L. Bozo-Hurtado, Y. Astor, P. Suarez and **A. Chistoserdov**. 2011. Denaturing gradient gel electrophoresis analyses of the vertical distribution and diversity of *Vibrio* spp. populations in the Cariaco Basin. *FEMS Microbiology Ecology* **77**: 347-356
265. Granados-Cifuentes, C., and **M. Rodriguez-Lanetty**. 2011. The use of high-resolution melting analysis for genotyping *Symbiodinium* strains: A sensitive and fast approach. *Molecular Ecology Resources* **11**:394-399
266. John, S.P., and **K.H. Hasenstein**. 2011. Effects of Mechanostimulation on Gravitropism and Signal Persistence in Flax Roots. *Plant Signaling and Behavior* **6**:1365-1370
267. **Klerks, P.L.**, L. Xie and J.S. Levinton. 2011. Quantitative genetics approaches to study evolutionary processes in ecotoxicology; a perspective from research on the evolution of resistance. *Ecotoxicology* **20**:513-523
268. Krayesky, D.M., J.N. Norris, J.A. West and **S. Fredericq**. 2011. The *Caloglossa lepieurii* complex (Delesseriaceae, Rhodophyta) in the Americas: The elucidation of overlooked species based on molecular and morphological evidence. *Cryptogamie, Algologie* **32**:37-62
269. Lemaitre, R., and **D.L. Felder**. 2011. A new genus of Paguridae (Crustacea: Decapoda: Anomura) for a new species from the tropical Eastern Pacific and *Pagurus longimanus* Wass, 1963 from the tropical Western Atlantic. *Zootaxa* **3125**:39-50

270. Levy, O., P. Kaniewska, S. Alon, E. Eisenberg, S. Karako-Lampert, L.K. Bay, R. Reef, **M. Rodriguez-Lanetty**, D.J. Miller and O. Hoegh-Guldberg. 2011. Complex Diel Cycles of Gene Expression in Coral-Algal Symbiosis. *Science* **331**:175-175
271. Maganti N., P.K.C. Surya, W.W. Thein-han, **T.C. Pesacreta** and R.D.K. Misra. 2011. Structure-process-property relationship of biomimetic chitosan-based nanocomposite scaffolds for tissue engineering: Biological, physico-chemical and mechanical functions. *Advanced Biomaterials*. **13**:B108-115
272. Mahoney J.L., E.M. Graugnard, **P. Mire** and **G.M. Watson**. 2011. Evidence for involvement of TRPA1 in the detection of vibrations by hair bundle mechanoreceptors in Sea Anemones. *Journal of Comparative Physiology Series A* **197**:729-742
273. Marrus, N., C. Faughn, J. Shuman, S. Petersen, J. Constantino, **D.J. Povinelli** and J.R. Pruett Jr. 2011. Initial description of a quantitative, cross-species (chimpanzee-human) social reciprocity measure. *Journal of the American Academy of Child and Adolescent Psychiatry*. **21**:321-330
274. Martin, S.B., and **P.L. Leberg**. 2011. Influence of environmental stress on age and size at maturity: Genetic and plastic responses of coastal marsh fishes to changing salinities. *Canadian Journal of Fisheries and Aquatic Sciences* **68**:2121-2131
275. Maxime, E.L., F.C.T. Lima and **J.S. Albert**. 2011. A new species of *Gymnotus* (Gymnotiformes, Gymnotidae) from Rio Tiquié in Northern Brazil. *Copeia* **1**:77-81
276. McFadden, C.S., Y. Benayahu, E. Pante, J.N. Thoma, P.A. Nevarez and **S.C. France**. 2011. Limitations of Mitochondrial Gene Barcoding in Octocorallia. *Molecular Ecology Resources* **11**: 19-31
277. Meerow, A.W., M. Gideon, D. Kuhn, **S. Mopper**, and K. Nakamura. 2011. The Genetic Mosaic of Iris Series Hexagonae in Florida: Inferences on the Holocene History of the Louisiana Irises and Anthropogenic Effects on Their Distribution. *International Journal of Plant Sciences* **172**:1026-1052
278. Ming, Y., **R.C. Brown** and F.D. Sack. 2011. Diversity in spindle morphology in Arabidopsis root tip. *Plant Signaling and Behavior* **6**:1-3
279. Olivier, T.J., and **R.T. Bauer**. 2011. Downstream female hatching migration of the River shrimp *Macrobrachium ohione* in the lower Mississippi River system. *American Midland Naturalist* **166**:379-393
280. Pickens, C.N., and **M.W. Hester**. 2011. Temperature tolerance of early life history stages of Black mangrove, *Avicennia germinans*: Implications for range expansion. *Estuaries and Coasts*. **34**: 824-830
281. Proud, D.N., and **B.E. Felgenhauer**. 2011. Ultrastructure of the sexually dimorphic basitarsal glands of Leg I in manaosbiid of harvestmen (Opiliones, Laniatores) *Journal of Morphology* **272**:872-882
282. Rosic, N.N., M. Pernice, **M. Rodriguez-Lanetty** and O. Hoegh-Guldberg. 2011. Validation of Housekeeping Genes for Gene Expression Studies in Symbiodinium Exposed to Thermal and Light Stress. *Marine Biotechnology* **13**:355-365
283. Shah J.S., P.K.C. Surya, W.W. Thein-Han, **T.C. Pesacreta**, R.D.K. Misra, M.C. Somani and L.P. Karjalainen. 2011. The role of nanocrystalline titania coating on nanostructured austenitic stainless steel in enhancing osteoblasts functions for regeneration of tissue. *Materials Science and Engineering C; Biomaterials and Biomedical Applications*. **31**:458-471

284. Venkatsurya P.K.C., B. Girase, R.D.K. Misra, **T.C. Pesacreta**, M.C. Somani and L.P. Karjalainen. 2011. The interplay between osteoblasts functions and the degree of nanoscale roughness of nanograined materials. *Materials Science and Engineering C; Biomaterials and Biomedical Applications*. **32**:330-340
285. Vonk, J., and **D.J. Povinelli**. 2011. Determinants of individual differences in long-term cognitive testing in a group of captive chimpanzees. *International Journal of Comparative Cognition*. **24**:137-167
286. **Wang, Y-H.**, D.D. Poudel and **K.H. Hasenstein**. 2011. Identification of SSR markers associated with saccharification yield using pool-based genome-wide association mapping in sorghum. *Genome* **54**:883-889
287. Watling, L., and **S.C. France**. 2011. A new genus and species of bamboo coral (Octocorallia: Isididae: Keratoisidinae) from the New England Seamounts. *Bulletin of the Peabody Museum of Natural History* **52**:209-220
288. Willis, J.M., R.P. Gambrell and **M.W. Hester**. 2011. Mercury concentrations in oligohaline wetland vegetation and associated soil biogeochemistry. *Environmental Monitoring and Assessment*. **181**:373-383
289. Windsor, A., and **D.L. Felder**. 2011. A new species of *Hemus* (Majoidea: Majidae: Mithracinae) from the Pacific coast of Panama, with a key to the genus. *Zootaxa* **2788**:63-68
290. Yednock, B.K., and **J.E. Neigel**. 2011. Rethinking the mechanisms that shape marine decapod population structure. *Crustacean Issues* **19**:57-73

Chapters in Books and Published Proceedings

2016

1. Kelley C, **France S.C.**, Parrish F, Wagner D, Geringer M, and Garcia M. 2016. CAPSTONE's First Year – 2015 Hohonu Moana: Exploring Deep Waters off Hawai'i. In Bell, K.L.C., M.L. Brennan, J. Flanders, N.A. Raineault, and K. Wagner, eds. New frontiers in ocean exploration: The E/V *Nautilus* and NOAA Ship *Okeanos Explorer* 2015 field season. *Oceanography* 29(1), supplement, pp. 68-73, <http://dx.doi.org/10.5670/oceanog.2016.supplement.01>.
2. Justic, D., **S.M. Duke-Sylvester**, J. Visser and J. Liang. 2016. Coastal Ecosystem Modeling in the Context of Climate Change: An Overview with Case Studies. In *Ecological Model Type*, Vol. 28, Jorgenson, S.E. ed. pp, 228-251.
3. Upadhyaya HD, Dwivedi SL, **Wang Y-H**, Vetriventhan M. 2016. Sorghum Genetic Resources. In: I. Ciampitti and V. Prasad (edS.), *Sorghum: State of the Art and Future Perspectives* (Agronomy Monographs 58). American Society of Agronomy and Crop Science Society of America, Inc. DOI:10.2134/agronmonogr58.2014.0056.5.

2015

4. **Hasenstein, K.H.** (2015) Use of High Gradient Magnetic Fields to Evaluate Gravity Perception and Response Mechanisms in Plants and Algae. Chapter 17 in: *Methods in Molecular Biology*. Editor: Elison B. Blancaflor. Humana Press. (ISBN 978-1-4939-2696-1). pp227-237
5. **Hasenstein, K.H.**, Van Loon, JJWA (2015) Clinostats and other Rotating Systems – Design, Function, and Limitations. Chapter 14 in: *Generation and Applications of Extra-Terrestrial Environments on Earth*. Editors: Daniel A. Beysens and Jack J.W.A. Van

- Loon. River Publishers. (ISBN 978-87-93237-53-7). pp 147 - 156
6. Solomon T. C. Chak, **R. Bauer**, M. Thiel. 2015. Social Behaviour and Recognition in Decapod Shrimps, with Emphasis on the Caridea. L. Aquiloni and E. Tricarico (eds.), *Social Recognition in Invertebrates*, pp.57-84. Springer International Publishing, Cham, Switzerland.
 7. **Wang Y-H**, Upadhyaya HD, Dweikat I. 2015. Sorghum. In: M Singh and HD Upadhyaya (eds). *Genetics and Genomic Resources for Grain Cereals Improvement*. Academic Press. pp 227-251.

2014

8. Gabriel D., M.I. Parente and **S. Fredericq**. 2014. The algal diaspora. Pages 47-49 in *The Sea of the Azores: Scientific Forum for Decision Support. Arquipelago Life and Marine Sciences*. Supplement 8 (Carreira, G., F. Cardigos and F.M. Porteiro, eds.)
9. **Hasenstein K.H.** 2014. Use of High Gradient Magnetic Fields to Evaluate Gravity Perception and Response Mechanisms in Plants and Algae. *Methods in Molecular Biology* (E.B. Blancaflor, ed.), Humana Press
10. **Hasenstein K.H.**, J.J.W.A. Van Loon. 2014. Clinostats and other Rotating Systems – Design, Function, and Limitations. *How Microgravity Affects the Biology of Living Systems* (M. Bizzarri, J.J.W.A. Van Loon, M. Monici, eds.) River Publishers
11. Norris, J.N. and **S. Fredericq**. 2014. Gigartinales (Gigartinales). Pages 328-338 in *Marine Algae of the Northern Gulf of California, II: Rhodophyta* (Norris, J.N. ed.), Smithsonian Contributions to Botany, no. 96. Washington, D.C.: Smithsonian Institution Scholarly Press
12. Norris, J.N. and **S. Fredericq**. 2014. Phylloporaceae (Gigartinales). Pages 345-352 in *Marine Algae of the Northern Gulf of California, II: Rhodophyta* (Norris J.N., ed.). Smithsonian Contributions to Botany, no. 96. Washington, D.C.: Smithsonian Institution Scholarly Press
13. Poudel, D.D., **H.A. DeRamus**, R.P. Thakur and A. Singh. 2014. Feed, Nutrition, Animal Health and Changing Climate in the Mid-Hills Region of Nepal Deconstruction of Lignocellulosic Feeds. Pages 150-164 in *Climate Resilient Livestock Feeding Systems for Global Food Security*. Global Animal Nutrition Conference, April 20-22. Bangalore, India
14. **Wang Y-H**, G.B. Burow, J.J. Burke. 2014. Pages 182-197 in *Genetic mapping of abiotic stress in sorghum* (**Wang Y-H.**, H.D. Upadhyaya, and C. Kole, eds.). *Genetics, Genomics and Breeding of Sorghum*. Taylor & Francis/CRC Press

2013

15. **Bauer, R.T.** 2013. Adaptive modification of appendages for grooming (cleaning; antifouling) and reproduction in the Crustacea. Pages 337-375 in *Functional Morphology of Crustacea* (Thiel, M., and L. Watling, eds.). Oxford University Press.
16. Euliss, N.H., Jr., D.M. Mushet, L.M. Smith, W.H. Conner, V.R. Burkett, D.A. Wilcox, H. Zeheng and **M.W. Hester**. 2013. Ecosystem Services: Developing Sustainable Management Paradigms Based on Wetland Functions and Processes. Pages 181-227 in *Wetland Techniques Volume 3: Applications and Management* (Anderson, J.T., and C.A. Davis, eds.). Springer Netherlands. ISBN 978-94-007-6906-9

17. Hayatdavoudi, A., N. Cheginzadeh, **A. Chistoserdov**, R. Bajpai and F Boukadi. 2013. Application of new fingerprinting bacteria DNA in crude oil for reservoir characterization –Part II. Article # SPE166087. In *Proceedings of SPE Annual Technical Conference and Exhibition*, New Orleans, Louisiana
18. Hayatdavoudi, A., N. Cheginzadeh, **A. Chistoserdov**, R. Bajpai and F Boukadi. 2013. Application of bacterial DNA of fingerprinting in crude oil for evaluating the reservoir- Part I. Article # 1554292. In *Proceedings of American Association of Petroleum Geologists (AAPG)*, Pittsburgh, Pennsylvania
19. Heimann, K., **Klerks, P.L., Hasenstein K.H.** 2013. Dinoflagellate bioluminescence – a key concept for studying organelle movement. Pages 177-190 in *Advances in Algal Cell Biology* (ISBN 978-3-11-022960-8) (K. Heimann and C. Katsaros, eds). Walter de Gruyter
20. Jin, Q., and **K.H. Hasenstein.** 2013. Development of antheridial filaments and spermatozoid release in *Chara contraria*. Pages 161-176 in *Advances in Algal Cell Biology* (ISBN 978-3-11-022960-8) (K. Heimann and C. Katsaros, eds). Walter de Gruyter
21. Penn, D.C., and **D.J. Povinelli.** 2013. The comparative delusion: Beyond behavioristic and mentalistic explanations for nonhuman social cognition. Pages 62-81 in *Agency and Joint Attention* (Terrace, H.S., and J. Metcalfe, eds.). Oxford, Oxford University Press
22. Poudel, D.D., R.P. Thakur, E.T. Duex, G. Blakewood, A.A. Singh, **A. DeRamus**, E.B. Chapagain, F.K. Acharya, G.S. Adhikari, F.R.B. Gramling and N. Sharma. 2013. Adapting livestock production systems to climate change in Nepal: Challenges and opportunities. Pages 1362-1367 in *Revitalizing Grasslands to Sustain our Communities: Proceedings 22nd International Grassland Congress*. Chief Editor David L. Michalk, Publ. -New South Wales Department of Primary Industry, Kite St., Orange New South Wales, Australia

2012

23. Burton, J.L., R.F. Lance, J. D. Westervelt and **P.L. Leberg.** 2012. An Individual-Based Model for Metapopulations on Patchy Landscapes-Genetics and Demography (IMPL-GD). Pages 197-209 in *Ecologist-developed Spatial-explicit Dynamic Landscape Models* (Westervelt, J.D., and G.L. Cohen, eds.) Springer Press
24. Dworschak, P.C., **D. L. Felder** and C.C. Tudge. 2012. Chapter 69. Infraorders Axiidea De Saint Laurent, 1979 and Gebiidea De Saint Laurent, 1979 (formerly known collectively as Thalassinidea). Pages 109-219 in *Treatise on Zoology - Anatomy, Taxonomy, Biology, The Crustacea (complementary to the volumes of the Traité de Zoologie)*, Vol. 9 (Schram, F.R., and J.C. von Vaupel Klein, eds.), Pt. B.Koninglijke Brill, Leiden, Netherlands
25. **France, S.C.** 2012. Antipatharia. In *AccessScience* (McGraw Hill Education, 2012), <http://accessscience.com/content/antipatharia/>
26. **Hasenstein, K.H.** 2012. Weight(y) matters: How (plant) cells cope with gravity. Pages 47-49 in *World Without Weight: Perspectives on an Alien Mind* (**Povinelli, D.J.**, ed.) Oxford, Oxford University Press
27. Penn, D.C., and **D.J. Povinelli.** 2012. The human enigma. Pages 529-542 in *The Oxford Handbook of Thinking and Reasoning* (Holyoak, K.J., and R.G. Morrison, eds.). New York: Oxford University Press

28. Poudel, D.D., R.P. Thakur, A. Singh, M.R. Tiwari and **A. DeRamus**. 2012. Capacity-building and Strengthening of Livestock Production Systems While Adapting to Climate Change in Nepal. Research Brief. Pages 1-4 in *Adapting Livestock Systems to Climate Change Collaborative Research Support Program*. Colorado State University Fort Collins, CO 88523-1644. Bull# RB-05-2012
29. Rajasekaran, K., J.W. Cary, **C.A. Chlan**, J.M. Jaynes and D. Bhatnagar. 2012. Strategies for controlling plant diseases and mycotoxin contamination using antimicrobial synthetic peptides. Pages 296-31 in *Small Wonders: Peptides for Disease Control*. (Rajasekaran, K. et al., eds.). American Chemical Society Symposium Series. American Chemical Society, Washington, DC: Oxford University Press, Inc
30. Visser, J. M., Day, J. W. Jr., L. L. Battaglia, G. P. Shaffer, and **M.W. Hester**. 2012. Mississippi River Delta Wetlands. Pages 63-74 in *Wetland Habitats of North America: Ecology and Conservation Concerns* (Batzer, D., and A. Baldwin, eds.), University of California Press, Berkeley, CA. ISBN 978-0-520-27164-7
31. Vonk, J., and **D.J. Povinelli**. 2012. Similarity and difference in the conceptual systems of primates: The unobservability hypothesis. Pages 552-573 in *Oxford Handbook of Comparative Cognition* (Wasserman, E., and T. Zentall, eds.). Oxford, Oxford University Press
32. **Wang, Y-H**. 2012. Molecular genetic mapping and map-based cloning. Pages 199-224 in *Genetics, Genomics and Breeding of Cucurbits* (Wang Y-H, TK Behera, C Kole, eds). Science Publishers/CRC Press
33. **Wang, Y-H**. 2012. Mapping and molecular breeding of monogenic traits. Pages 225-237 in *Genetics, Genomics and Breeding of Cucurbits* (Wang Y-H, TK Behera, C Kole, eds). Science Publishers/CRC Press

2011

34. **Albert, J.S.**, and T.P. Carvalho. 2011. Neogene assembly of modern faunas. Pages 119-136 in *Historical Biogeography of Neotropical Freshwater Fishes* (**Albert, J.S.**, and R.E. Reis, eds.). University of California Press, Berkeley, California
35. **Albert, J.S.**, and R.E. Reis. 2011b. Introduction to Neotropical freshwaters. Pages 3-20 in *Historical Biogeography of Neotropical Freshwater Fishes* (**Albert, J.S.**, and R.E. Reis, eds.). University of California Press, Berkeley, California
36. **Albert, J.S.**, P. Petry and R.E. Reis. 2011c. Major biogeographic and phylogenetic patterns. Pages 21-58 in *Historical Biogeography of Neotropical Freshwater Fishes* (**Albert, J.S.**, and R.E. Reis, eds.). University of California Press, Berkeley
37. **Albert, J.S.**, H.J. Bart and R.E. Reis. 2011a. Species richness and cladal diversity. Pages 89-104 in *Historical Biogeography of Neotropical Freshwater Fishes* (**Albert, J.S.**, and R.E. Reis, eds.). University of California Press, Berkeley, California
38. **Bauer, R.T.** 2011. Amphidromy and migrations of freshwater shrimps. I. Costs, benefits, evolutionary origins, and an unusual case of amphidromy. Pages 145-156 in *New Frontiers in Crustacean Biology* (Asakura, A., ed.). Proceedings of the TCS Summer Meeting, Brill: Leiden, The Netherlands
39. **Bauer, R.T.** 2011. Amphidromy and migrations of freshwater shrimps. II. Delivery of hatching larvae to the sea, return juvenile upstream migration, and human impacts. Pages 157-168 in *New Frontiers in Crustacean Biology* (Asakura, A., ed.). Proceedings of the TCS Summer Meeting, Brill: Leiden, The Netherlands

40. **Bauer, R.T.** 2011. Chemical communication in decapod shrimps: the influence of mating and social systems on the relative importance of olfactory and contact pheromones. Pages 277-296 in *Chemical Communication in Crustaceans* (Breithaupt T., and M. Thiel, eds.). Springer Verlag, New York
41. Carvalho, T.P., and **J.S. Albert.** 2011a. The Amazon – Paraguay divide. Pages 193-202 in *Historical Biogeography of Neotropical Freshwater Fishes* (**Albert, J.S.**, and R.E. Reis, eds.). University of California Press, Berkeley, California
42. Chakrabarty, P., and **J.S. Albert.** 2011. Not so fast: A new take on the Great American Biotic Interchange. Pages 293-306 in *Historical Biogeography of Neotropical Freshwater Fishes* (**Albert, J.S.**, and R.E. Reis, eds.). University of California Press, Berkeley, California
43. Lopez-Fernandez, H., and **J.S. Albert.** 2011. Paleogene radiations. Pages 105-118 in *Historical Biogeography of Neotropical Freshwater Fishes* (**Albert, J.S.**, and R.E. Reis, eds.). University of California Press, Berkeley, California
44. **Povinelli, D.J.**, and D.C. Penn. 2011. Through a floppy tool darkly: Toward a conceptual overthrow of animal alchemy. Pages 69-88 in *Tool Use and Causal Cognition* (McCormack, T., C. Hoerl, and S. Butterfill, eds.). Oxford: Oxford University Press
45. Tunnell, J.W., Jr., **D.L. Felder** and S.A. Earle. 2011. Foreword: Fifty-year Update of Bulletin 89. Pages xi-xv in *Gulf of Mexico Origin, Waters, and Biota. Volume 3, Geology* (Bruster, N.A., and C. W. Holmes, eds.). Texas A&M University Press, College Station, Texas
46. Vonk, J., and **D.J. Povinelli.** 2011. Social and physical reasoning in human-reared chimpanzees: New data from a set of preliminary studies. Pages 342-352 in *Perception, Causation, and Objectivity. Issues in Philosophy and Psychology* (Eilan, N., H. Lerman and J. Roessler, eds.). Oxford, Oxford University Press
47. Watling, L., **S.C. France**, E. Pante and A. Simpson. 2011. Biology of Deep-Water Octocorals. Pages 41-123 in *Advances in Marine Biology* vol. 60 (Lesser, M., ed). Elsevier Ltd
48. Zwicker, S., C. Moore, and **D.J. Povinelli.** 2011. The development of body representations: The integration of visual-proprioceptive information. Pages 19-36 in *Early development of body representations* (Slaughter V., and C. Brownell, eds.). Cambridge, Cambridge University Press

Invited Seminars, Plenary and Keynote Presentations

Note: This list does not include the dozens of contributed presentations at professional conferences on which our faculty are authors each year

Albert, James

- Society Study of Evolution, São Paulo, Brazil, 2015
- University of Central Florida, Dept. Biology, Orlando, FL 2014.
- Southeastern Louisiana University, Hammond, LA, 2014.
- Origins of Fish Biodiversity in the Amazon. University of Central Florida, Dept. Biology, 2014.
- Barrier (not Areas) Constrain Diversification in Continental Biotas. Southeastern Louisiana University, Hammond. 2014.

- A Field Guide to the Genera of Amazonian Fishes. Londrina, Brazil. 2014.
- Origins of Fish Biodiversity in the Amazon. University of Central Florida, Dept. Biology, 2014.
- Barrier (not Areas) Constrain Diversification in Continental Biotas. Southeastern Louisiana University, Hammond. 2014.
- A Field Guide to the Genera of Amazonian Fishes. Londrina, Brazil. 2014.
- Department of Biological and Environmental Sciences, University of Gothenburg, Goteborg, SWEDEN, 2013
- Universidade Estadual Paulista, Instituto de Biociências, Botucatu, Sao Paulo, BRAZIL, 2013
- XII Congreso Colombiano De Ictiología, Keynote address, Bogotá, COLOMBIA, 2013
- Biogeografia de peixes Neotropicais. Brazilian Ichthyological Society, Maringá, BRAZIL, 2013
- Brazilian Ichthyological Society, Maringá, BRAZIL, 2013
- University of San Marcos, Lima, PERU, 2011
- 2nd Electric Eel Genome Workshop, UW Biotechnology Center, Madison, WI, 2011

Bauer, Raymond

- Reunión Nacional Alejandro Villalobos (Society of Mexican Carcinologists), Plenary Speaker, Merida, MEXIOOC 2016
- The Crustacean Society/Association of Latin American Carcinologists meetings, Plenary Speaker, San José, COSTA RICA, 2013
- Congreso Latinoamericano de Macroinvertebrados Aquaticos. Plenary Speaker, San José, COSTA RICA, 2012

Chlan, Caryl

- American Society for Plant Biology Southern Section, Dauphin Island Marine Lab, 2015
- Department of Plant Pathology and Crop Physiology, Professional Development Series, Louisiana State University, Baton Rouge, LA, 2011

Duke-Sylvester, Scott

- LSU Department of Renewable Resources. Baton Rouge, LA, 2013
- Workshop on Multiscale Computational Modeling for Zoonotic Epidemics, Kansas City, MO, 2011

Ennis, Don

- University of Washington, Department of Microbiology, Seattle, WA, 2016
- NIH-sponsored Many Hosts of Mycobacteria Conference VI, Tulane Primate Center, Covington, LA, 2015 – invited Speaker “*When are Non-Tuberculosis Mycobacteria Commensals Sensitizing Versus Pathogens?*”
- Wind River Conference on Prokaryotic Biology – Estes Park, CO, June 10-14, invited Speaker. “*Analyses of Gene Expression Profiles in Mycobacterium marinum in an Activated Virulent State.*”

- Annual Conference of the South Central Branch of the American Society for Microbiology, Hattiesburg, MS, September 17-19, Invited Speaker, “*Analyses of Gene Expression Profiles in Mycobacterium marinum in an Activated Virulent State.*”
- Department of Microbiology, Immunology and Parasitology, Louisiana State University School of Medicine, New Orleans, LA, 2014
- NIH-sponsored 7th Aquatic Animal Models for Human Diseases Conference, Austin, TX 2014
- Wind River Conference on Prokaryotic Biology, Estes Park, CO 2014.
- International Workshop on The Medaka Model for Assessment of Human Diseases, San Marcos, TX, 2014
- Center for TB Research, Johns Hopkins University School of Medicine, Baltimore, MD, 2013
- Department of Biological Sciences, Louisiana State University, Baton Rouge, LA, 2013
- NIH 6th Aquatic Animal Models for Human Diseases Conference, Milwaukee, WI, 2013
- Department of Biology, University of New Mexico, Albuquerque, NM, 2013
- Division of Infectious Disease and Vaccinology, University of California, Berkeley, CA, 2012
- Post Genomic Opportunities in Tuberculosis and other Mycobacterial Diseases Conference, Garh Mukteshwar, India, 2012
- Department of Biology, Indiana University, Bloomington, IN, 2012
- Institute of Molecular Biology, University of Oregon, Eugene, OR, 2012
- The Fifth NIH Many Hosts of Mycobacteria Conference, Bethesda, MD, 2012
- Biology in the Commemoration Event for the 50th Anniversary of the Portland State University Graduate School, 2012
- Louisiana Mycobacteria Symposium, Tulane National Primate Research Center, Invited Speaker, Covington, LA, 2012
- Department of Microbiology and Molecular Genetics, Emory University Medical School, Atlanta, GA, 2011
- Department of Microbiology, University of Florida, Gainesville, FL, 2011
- Department of Microbiology, Boston University School of Medicine, Boston, MA, 2011
- Department of Infectious Diseases, College of Veterinary Medicine, University of Georgia, Athens, GA, 2011
- Department of Microbiology, University of Alabama-Birmingham, Birmingham, AL, 2011
- Department of Pharmacology, Tulane School of Medicine, New Orleans, LA, 2011
- Department of Microbiology, University of Massachusetts, Amherst, MA, 2011
- NIH 4th Many Hosts of Mycobacteria Conference, Co-Organizer, Tampa, FL, 2011
- Department of Molecular and Biomedical Sciences, University of Maine, Orono, ME, 2011

Felder, Darryl

- Assessment of the “Deepwater Horizon” oil spill on shelf and slope decapod crustaceans in the Gulf of Mexico [invited seminar by D. L. Felder] Laboratório de Bioecologia e Sistemática de Crustáceos (LBSC) Departamento de Biologia da Faculdade de Filosofia

Ciências e Letras de Ribeirão Preto (FFCLRP) Universidade de São Paulo (USP),
Brazil, 26 November 2014

- Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, 2013
- International meeting of The Crustacean Society and Latin American Association of Carcinology, San Jose, COSTA RICA, 2013
- United States Geological Survey Mangrove Expansion, Climate Change, and Sea-Level Rise Workshop, National Wetlands Research Center, Lafayette, LA, 2012
- Deepwater Horizon Oil Spill Conference: Research from the Four-University Consortium and LUMCON, Baton Rouge, LA, 2011

France, Scott

- 6th International Symposium on Deep-Sea Coral. Plenary Speaker, Boston, MA, 2016
- 5th International Symposium on Deep-Sea Coral, Amsterdam, THE NETHERLANDS, 2012
- NOAA OER Teacher Workshop, Dauphin Island, AL, 2011

Fredericq, Suzanne

- Invited Plenary Speaker at the International Rhodolith Meeting, San Jose, Costa Rica, July 28, 2015
- LSU Baton Rouge, 2014
- Gulf of Mexico Oil Spill and Ecosystem Science Conference, Mobile, AL, 2014
- Chosun University, KOREA, 2013
- Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans, LA, 2013
- 6th Asian Pacific Phycological Forum, Yeosu, KOREA, 2011

Hasenstein, Karl

- European Low Gravity Research Association (ELGRA, Corfu, Greece). The Result of a Space Experiment - Magnetic Gradients substitute for gravity, 2015
- Council of Space Research (COSPAR) Moscow, Russia: Anaerobic metabolism in Brassica seedlings, 2014
- University of Mississippi (PI), Oxford, MS, 2013
- Northeast Forestry University, Harbin, China, 2013
- Biosciences Genomics Research 2012 conference, Boston, MA, 2012
- Northeast Forestry University, Harbin, China, 2011 (two seminars)
- Chinese Academy of Sciences, New technologies for the assessment of genetic diversity, Beijing, CHINA, 2011
- 5th Q-PCR Conference, Munich, Germany, 2011
- Eastern Tennessee State University, Johnson City, TN, 2011

Hester, Mark

- 10th INTECOL International Wetlands Conference. Changshu, CHINA, 2016
- 9th Aoshan Forum on Effects of Climate Change and Associated Environmental Drivers on Coasts and Wetlands. Qingdao CHINA, 2016
- State of the Coast Meeting. Invited presentation, New Orleans, LA, 2016
- National Academies of Science. New Orleans, LA, 2015

- Ecological Society of America. Baltimore MD, 2015
- LSU Oceanography and Coastal Sciences, Baton Rouge, LA, 2013
- Bay Delta Science Conference, Sacramento, CA, 2012
- USGS Mangrove Expansion Workshop, Lafayette LA, 2012
- Society for Wetland Scientists, Prague, Czech Republic, 2011

Klerks, Paul

- Institute of Applied Ecology, Chinese Academy of Sciences, Shenyang, P.R. China, 2014

Krayesky, Sherry

- Sally Ride Science Academy, Train the trainer program, Lafayette, LA, 2012.

Kulkarni, Ritwij

- Annual meeting of South-central branch of American Society of Microbiology. UL at Lafayette, LA 2016
- American Thoracic Society (ATS) Leadership Summit. San Antonio, TX. 2016

Leberg, Paul

- College of Natural Resources, Louisiana State University, Baton Rouge, LA, 2016
- Savannah River Ecology Lab, Aiken, SC, 2013
- USGS Mangrove Expansion Workshop, Lafayette, LA, 2012
- Evolution and Ecology Departmental Seminar, Tulane University, New Orleans, LA, 2011
- Black-capped Vireo Symposium, Austin, TX, 2012

Moon, Brad

- Austin Herpetological Society, Texas, 2016
- Austin Herpetological Society, Texas, November 2015
- East Texas Herpetological Society, September 2015
- Brattstrom Lecture, Saddleback College, Mission Viejo, CA, 2013

Mopper, Susan

- Dalian National University, Dalian, CHINA, 2016
- University of Tennessee, Department of Ecology and Evolutionary Biology, Knoxville, TN, 2013

Neigel, Joseph

- Oregon Institute of Marine Biology, Coos Bay, OR, 2014.
- Evolution and Ecology Department, Tulane University, New Orleans, LA, 2013
- Biology Department, Salisbury University, Salisbury, MD, 2013

Pesacreta, Thomas

- University of Southeastern Louisiana, Hammond, LA, 2013

Povinelli, Daniel

- American Folklore Society, Invited Speaker, Miami, FL, 2016
- German Primate Center, Special 90-minute lecture/performance with Joshua Smith Göttingen, GERMANY, 2016
- 6th IMPRS NeuroCom Summer School (What makes us human?), Max Planck Institute for Human Cognitive and Brain Sciences, Keynote Closing Speaker, Leipzig, GERMANY, 2016
- New York University, Center for the Study of Human Evolution, Invited colloquium: “Anthropomorphomania”, December 10, 2015, New York, NY
- Washington University, Philosophy-Neuroscience-Psychology Program, Works-Progress Colloquium: “Two ways of acting for reasons” November 20, 2015 (with Caroline T. Arruda), St. Louis, MO
- Berlin School of Mind and Brain, Invited Mind-Brain Lecture, July 9, 2015, Berlin, Germany
- Central European University, Department of Cognitive Science, Special Invited Colloquium: "Foundational problems in the study of human infant and chimpanzee cognition," June 29, 2015, Budapest, Hungary
- Aegina Summer School 2015: The social self: How social interactions shape body and self-representations (organized by the Center for the Study of the Senses, Institute of Philosophy, University of London and Royal Holloway University London), Invited speaker and Instructor, June 21-17, 2015, Aegina, Greece
- PNP Medical School Lunchtime Talk Series, "Toward empirically adequate, well-grounded models of higher-order reasoning in animals" March 18, 2015, St. Louis, MO
- Washington University, Department of Psychology, Invited Guest Colloquium, “How the chimpanzee got its theory of mind without even trying” February 23, 2015, St. Louis, MO
- Washington University in St. Louis School of Medicine (with Susan Fitzpatrick), “On the rise of autism and its early detection: Experimental, social, and ethical implications.” February 9, 2015, St. Louis, MO
- Bard College, Annandale-on-Hudson, NY, 2013
- University of Missouri, Columbia, MO, 2013
- University of Texas at El Paso, Departments of Anthropology, Psychology and Philosophy, EL Paso, TX, 2013
- Department of Psychiatry, Washington University in St. Louis, 2013
- UCSD/Salk Institute, CARTA symposium, La Jolla, CA, 2013 [Broadcast on UCSD Television]
- American Museum of Natural History, New York, NY, 2012
- UCSD/Salk Institute, CARTA symposium, La Jolla, CA, 2012 [Broadcast on UCSD Television]
- UC Santa Barbara, Summer Institute in Cognitive Neuroscience, Santa Barbara, CA, 2011
- UCLA Public Symposium, Los Angeles, CA, 2011

Smith, Karen

- Mouse Identification Techniques. Louisiana Branch AALAS meeting 2016

- Department of Psychiatry, University of Illinois Chicago, IL, 2011
- Yale University School of Medicine, CT, 2011

Stauffer, Beth

- National Water Monitoring Conference, Tampa, FL, 2016
- University of West Florida, Department of Biology, Pensacola, FL, 2016
- Phytoplankton blooms: Thoughts on an evolving definition. Louisiana State University Museum of Natural Science, Baton Rouge, LA. October 2015
- Plankton and hypoxia: Complex feedbacks on physiology and community structure. Public workshop on hypoxia in the Gulf of Mexico, Lafayette, LA. October 2015
- Not your Mother's Bloom: Thoughts on an Evolving Definition. Southeast Louisiana University, Biology Department, Hammond, LA. September 2015
- Nutrient Sensor Challenge Summit: Overview and Objectives. Nutrient Sensor Challenge Summit, Carriage House, Washington DC. August 2015
- Advanced water quality monitoring: The state of the technology and what's next. J.B. and Maurice C. Shapiro Environmental Law Symposium, George Washington University, Washington, DC. March 2015

Watson, Glen

- Whitney Laboratory for Marine Bioscience, St. Augustine, FL. 2015

Other

External Awards/Honors

Bauer, Ray

- AAAS Fellow, by Council for the American Association for the Advancement of Science, 2002-present
- Fulbright-Brazil Scientific Mobility Program Distinguished Chair Award, 2014
- The Crustacean Society Lifetime Excellence in Research Award, 2012

Duke-Sylvester, Scott

- Malaria workshop participant award. National Institute for Mathematical and Biological Synthesis, 2011

Ennis, Don

- NIH Travel Award to attend and participate in the **Many Hosts of Mycobacteria Conference VI**, Tulane Primate Center, Covington, LA March 25-27, 2015
- NIH Travel Award to attend and participate in the 7th Aquatic Animal Models for Human Diseases Conference, Austin, TX, 2014
- Travel Award to attend and participate in the International Workshop on The Medaka Model for Assessment of Human Diseases, San Marcos, TX 2014.
- NIH Travel Award to attend and participate in the 6th Aquatic Animal Models for Human Diseases Conference, Milwaukee, WI, 2013

- American Society for Microbiology Travel Award to attend the ASM General Meeting, San Francisco, CA, 2012
- WHO Indo-Swedish Biomedical Alliance Travel Award to attend a Mycobacterial Diseases Conference, 2012 Garh Mukteshwar, India, 2012
- American Society for Microbiology Travel Award to Attend the ASM General Meeting, New Orleans, LA, 2011
- NIH Travel Award to attend and participate in the Fourth NIH Many Hosts of Mycobacterial Conference, Tampa, FL, 2011

Felder, Darryl

- Re-appointed 3-year term (2016) Associate Research Scientist, Smithsonian Institution, National Museum of Natural History, IZ, Washington, D.C.
- Newly Appointed (2014), Collaborating Research Scientist, Smithsonian Institution, Fort Pierce Marine Laboratory, Florida
- Elected AAAS Fellow, by Council for the American Association for the Advancement of Science, 2002-present

Fredericq, Suzanne

- Elected Member, Board of Directors of the International Phycological Society, 2016-current
- Scientific Committee Member, Vth International Rhodolith Workshop, San Jose, Costa Rica, 2015
- Member of Communication Committee, Phycological Society of America, 2011-current
- Research Associate, Museum of Natural History, Smithsonian Institution, 2009-present
- Naming of new red algal genus, *Fredericqia*, in my honor, 2013
- NOAA Cadre of Algologists expert, 2008-present

Hasenstein, Karl

- Nomination for East Tennessee State University Basler Chair of Excellence (Spring 2017)

Klerks, Paul

- Exceptional Reviewer of 2016 for *Environmental Toxicology and Chemistry*.
- Exceptional Reviewer of 2015 for *Environmental Toxicology and Chemistry*.
- Exceptional Reviewer of 2014 for *Environmental Toxicology and Chemistry*.

Sherry Krayesky

- Outstanding undergraduate research mentor Hoshaw Travel Award fund to attend the Phycological Society of America Annual Meeting Teacher Appreciation: National Association of Black Engineers

Leberg, Paul

- Best Publication Award related to Wildlife Biology (co-author), Louisiana Association of Professional Biologists, 2012
- Best Publication Award related to Fisheries (co-author), Louisiana Association of Professional Biologists, 2012

Mopper, Susan

- Senior Ecologist, Ecological Society of America, 2005-present

Povinelli, Daniel

- Elected Fellow, Association for Psychological Science, 2008-present

Stauffer, Beth

- LA DIA Fellow, Louisiana Sea Grant College Program, 2016-2017
- Early Career Travel Award, ASLO Summer Meeting, 2016

Professional Society Offices Held

Clement, Terry

- Member of Board of Directors, South Louisiana Mid-Winter Fair Association, 2008-2013
- Member of Board of Directors, Acadiana District Livestock Association, 2008-2013

Deaton, Lewis

- Member at Large, Executive Committee of the National Shellfisheries Association, 2015-2018

Ennis, Don

- Organizer and Scientific Chair for South Central Branch of the American Society for Microbiology Annual Meeting, 2016
- Associate Councilor for the South Central Branch of the American Society for Microbiology 2013-2016.
- Associate Counselor for the South Central Branch American Society for Microbiology, 2014.
- Counselor in the National Governing Body for the American Society for Microbiology, 2010-2013
- Chair of the South-Central Branch Committee for membership recruitment of graduate students and post-docs into American Society for Microbiology, 2009-2013
- Member, Planning Committee for Environmental Mutagen Society Annual Meetings, 2009-2011

Klerks, Paul

- Past President, South-Central Chapter of Society of Environmental Toxicology and Chemistry, 2016-2017
- Vice President and President, South-Central Chapter of Society of Environmental Toxicology and Chemistry, 2014-2016

Moon, Brad

- Board of Trustees Member, The Herpetologists' League, 2009-2013

Journal Editorship

Albert, James

- Associate Editor, *Systematic Biology*, 2015-2016
- Editorial Board member, *Checklist of Freshwater Fishes of South and Central America*, 2009-2014
- Editorial Board member, *FishBase (ICLARM / FAO)*, 2009-2014

Bauer, Ray

- Associate Editor, *Journal of Crustacean Biology*, 2010-present
- Associate Editor, *Sexual and Embryo Development of Aquatic Organisms*

Brown, Roy

- Editorial Board, *Journal of Plant Research*, 2009-Present

Chistoserdov, Andrei

- Editorial board member, *ISRN Biodiversity*, 2013-present
- Associate Editor (Bacteriology) of *Journal of Microbial Genetics and Evolution*, 2013-present

Deaton, Lewis

- Editorial Board member, *Journal of Shellfish Research*, 2015-2017
- Editorial Board member, *Journal of Experimental Marine Biology and Ecology*, 2008-2016

Felder, Darryl

- Series Co-Editor and Coordinating Board (with John Wesley Tunnell and Sylvia Earle) of TAMU Press seven volume book series: *Gulf of Mexico: Its Origins, Waters, Biota, Human Impacts and Management*, 2005-2015
- Associate Editor, *Southeastern Naturalist*, 2000-2011

Felgenhauer, Bruce

- Editorial Board, *Southeastern Naturalist*, 2012

Hasenstein, Karl

- Associate Editor: *Advances in Space Research*, 2006–2016
- Associate Editor: *Advances in Botany* 2014-2016
- Associate Editor: *Advances in Life Sciences Research* 2013 - present

Klerks, Paul

- Editorial Board member, *Environmental Toxicology and Chemistry*, 2013-Present

Kulkarni, Ritwij

- Web Director for American Thoracic Society (ATS) assembly on MTPI (Microbiology, Tuberculosis and Pulmonary Infections)—appointed 2016-2018

Leberg, Paul

- Advisory Editorial Board, Conservation Genetics, 2010-Present
- Editorial Board, Southeastern Naturalist, 2011-Present

Moon, Brad

- Editor-in-Chief, Herpetologica, 2009-2014
- Guest Editor, Herpetological Monographs, 2013
- Interim Editor-in-Chief, Herpetological Monographs, 2011-2012

Neigel, Joseph

- Editorial Review Board, Conservation Genetics, 2009-2012

Povinelli, Daniel

- Understanding Human Cognition Advisory Board, Scholar Awards Reviewer, 2016-2017
- Special Advisor to the President, James S. McDonnell Foundation, 2014-2016
- Chimpanzee Advisory Council, Yerkes National Primate Center, 2009-2015
- Scientific Advisory Board member, Review of Philosophy and Psychology, 2009-present

Smith, Karen

- Review Editorial Board member, Frontiers in Child and Neurodevelopmental Psychiatry, 2012-present

Stauffer, Beth

- Ruth Patrick Award Committee Member, Association for the Sciences of Limnology and Oceanography, 2016-present

Other Major Professional Activities**Albert, James**

- Instructor for short course, Pontificia Universidad Javeriana, Bogota, Colombia, 2013
- Instructor for short course, Museo de Historia Natural, Lima, Peru, 2012
- Instructor for short course, Museo de Historia Natural, Lima, Peru, 2011

Bauer, Ray

- Instructor for short course, Universidad Nacional Autónoma, Merida, MEXICO, 2016
- Instructor for short course, Universidade Estadual Paulista São Paulo (UNESP), Botucatu and Ubatuba, Brazil, 2014.
- Instructor for short course Universidad Autónoma de Sinaloa, Mazatlan, Mexico, 2014

- Instructor for short course, Universidade Estadual Paulista (UNESP), Brazil, 2012
- Instructor for short course, University of Costa Rica, San Jose, Costa Rica, 2012
- Instructor for short course, Universidad Nacional Autónoma de México, Mexico, 2011

Deaton, Lewis

- Organizer, Symposium on invasive molluscs, National Shellfisheries Association meeting, Jacksonville, FL, 2014
- Panelist, National Science Foundation Review Panel for Organismal-Environmental Interactions-Animal pre-proposals, 2013

DeRamus, Alan

- Executive Secretary/Manager, South Louisiana Mid-Winter Fair Board of Directors, 2012-2016

Duke-Sylvester, Scott

- Invited attendee at the Council on Undergraduate Research workshop: Connecting Undergraduate Research to Other High-Impact Practices. San Diego, CA. November 21-23, 2014.
- Reviewer, National Science Foundation, Review Panel for DEB - Evolutionary Ecology. March 27 to 29, 2013.

Ennis, Don

- Organizing Committee and Session Chair for The NIH-Sponsored Eighth Aquatic Animal Models of Human Diseases, University of Alabama, Birmingham, (Held in January 7-12, 2017)
- Executive Committee for the Wind River Conference on Prokaryotic Biology, 2008-2015
- Organizer and Treasurer of The Sixth NIH-Sponsored, Many Hosts of Mycobacteria Conference: A Comparative Mycobacteriology Symposium, Covington, LA, 2014
- Animal Health Grant Review Study Panel Member, U.S. Department of Agriculture, 2011-2015
- Organizer, Chair for the Scientific Program and Treasurer of The Fifth NIH-Sponsored, Many Hosts of Mycobacteria Conference, Bethesda, MD, 2012

Felder, Darryl

- Scientific Team Member, Smithsonian Deep Reef Observation Project (DROP), submersible studies, Curacao, (8 days), 2014; (15 days) 2015; (10 days) 2016
- Scientific Team Member, Smithsonian CURASUB project, Dominica (9 days) 2016
- Visiting field researcher, Carrie Bow Cay, Belize, Smithsonian Institution, Caribbean Coral Reef Ecology Laboratory, (8 days), 2014; (15 days) 2015; (8 days) 2016.
- Visiting Associate Research Scientist, National Museum of Natural History—DIZ, Smithsonian Institution, Washington, including work at USNM on site (2 weeks) May 2014; (2 weeks) May 2015; (2 weeks) April 2016.
- Visiting field researcher, Carrie Bow Cay, Belize, Smithsonian Institution, Caribbean Coral Reef Ecology Laboratory, April-May (8 days), 2014; (15 days) 2015

- Visiting associate scientist, National Museum of Natural History-DIZ, Smithsonian Institution, Washington, May (2 weeks), 2014; (2 weeks) May 2015
- Visiting field/lab researcher and collaborating research scientist - Smithsonian Institution Fort Pierce (FL) Marine Laboratory, June (2 weeks), 2014; (2 weeks) 2015
- Chief Research Scientist, Eastern Gulf of Mexico research cruise, R/V Pelican, September (10 days), 2014
- Scientific Team Member, Smithsonian Deep Reef Observation Project (DROP), submersible studies, Curacao, September (8 days), 2014; (15 days) 2015
- Visiting field/lab researcher and associate scientist - Smithsonian Institution Ft. Pierce (FL) Marine Laboratory, October (1 week), 2014
- Research Team Member, Axiidean Phylogenetics Workshop, Ribeirão Preto, Brazil November-December (2 weeks), 2014
- Workshop Team Invited Presentation and Discussion Leader: Shelf macrofauna/macrobenthos: Task 4, Continental Shelf Effects. All-hands Workshop, GoMRI Coastal Waters Consortium, New Orleans (session Leader, and presenter with S. Fredericq and H. Bracken-Grissom), 2013.
- Invited field workshop leader and seminar speaker: Studying decapod crustaceans in the aftermath of the Deepwater Horizon spill. LUMCON-GoMRI Marine Education High School Program, Cocodrie, LA, 2013
- Invited workshop leader/instructor: Taxonomy and Biology of Decapod Crustaceans. "Training in Tropical Taxonomy Program," Smithsonian Tropical Research Institute, Bocas del Toro, Panama, 2011
- Invited workshop leader/instructor: Taxonomy of Regional Decapod Crustaceans, Florida Benthologists Association, University of Tampa, Florida, 2011

France, Scott

- Member of the Steering Committee for 6th International Symposium on Deep-Sea Corals, Boston, MA, 2016
- NOAA OER Okeanos Explorer Annotation Advisory Group member, 2016
- Senior Scientist, NOAA Ship Okeanos Explorer expedition "Hohonu Moana: Exploring Deep Waters off Hawaii" providing on-air expertise and commentary for live streaming video (Sept 12 - 30), organized by NOAA Office of Ocean Exploration, 2015
- Senior Scientist, NOAA Ship Okeanos Explorer expedition "Our Deepwater Backyard: Exploring Atlantic Canyons and Seamounts" providing on-air expertise and commentary for live streaming video (Sept 18 - Oct 6), organized by NOAA Office of Ocean Exploration, 2014
- Invited participant, Northeast Deep-Sea Coral Research Needs and Priorities Workshop, James J Howard Marine Science Laboratory, Sandy Hook, NJ, 2011

Fredericq, Suzanne

- Re-appointment: Smithsonian Institution Research Associate (2016-2019)
- Appointment: Temporary Member of the Graduate Faculty of The University of Alabama (2015-2018)
- Instructor in *Tropical Field Phycology* course at STRI's Bocas del Toro Research Station, 2015

- Member, Phycological Society of America Outreach Committee Member, 2011-present
- Co-Chair, Phycological Society of America/International Phycological Society session Corallinales. Orlando, FL, 2013
- Organization of major scientific expeditions nationally and internationally, 2009-2013
- Session Co-Chair, GoMRI conference. New Orleans LA, 2013
- Panel member, LA Board of Regents Review of LUMCON, 2011
- Instructor, Class in Tropical Field Phycology, Smithsonian Tropical Research Institute. Workshop organizer and hosting, National Science Foundation, Red Algal Tree of Life, LUMCON, 2010-2011
- Instructor, Class in Panamanian Field Phycology. University of Panama, Panama, 2011
- Chair, Systematics, Phycological Society of America Annual Meeting. Seattle, WA, 2011
- Chair, 6th Asian Pacific Phycological Forum, Yeosu, South Korea, 2011
- Organization of Tropical Phycology workshops and courses, STRI, Panama, 2009-2012
- Latin translator for new algal taxa, 2009-2012

Hasenstein, Karl

- NSERC review and panel member. Ottawa, Canada, 2015
- Main Scientific Organizer. COSPAR section F1.1 Moscow, Russia, 2014
- Panelist. NASA Flight panel (Chair), 2013
- Panelist. NASA Flight panel, 2012
- Main Scientific Organizer. COSPAR section F1.1 Mysore, India, 2012

Hester, Mark

- External Doctoral Committee Examiner. University of Technology Sydney, Australia (Plant Functional Biology and Climate Change Cluster), 2016
- Technical Working Group (TWG) Coastal Ecology representative for the Louisiana Center of Excellence (CoE), 2016
- National Academies of Science Panel member. Gulf of Mexico Restoration Activities, 2015
- NOAA Lead Scientific Advisor for Coastal Wetland Vegetation Assessment (NRDA) in the aftermath of the Deepwater Horizon Oil Spill, 2010-2013
- USGS/National Wetlands Research Center Brown Marsh Advisory Committee Member, 2009-2015
- Member. Women in Wetlands Mentoring Program, Society for Wetland Scientists, 2009-2015
- Scientific advisor. Louisiana Region 3 Planning Team, Coast 2050, 2009-2015
- Scientific Research Advisory Committee Member. Lake Pontchartrain Basin Foundation, 2009-2015
- External Doctoral Committee Review Member. Asian Institute for Technology 2009-2015
- Scientific Advisory Committee Member. Strategic Plan for Northern Gulf of Mexico SET-MH Network, 2009-2013

Klerks, Paul

- Visiting Professorship for Senior International Scientists for summer 2014. Institute of Applied Ecology, Chinese Academy of Sciences

Kulkarni, Ritwij

- Panel member for Department of Defense (DoD) Congressionally Directed Medical Research Program (CDMRP), Respiratory Health Online Reviewer September 2016
- Panel member (Teleconference Reviewer) for Department of Defense (DoD) Congressionally Directed Medical Research Program (CDMRP), Lung Disease and Injury December 20-21, 2016
- Panel member (in person study section) Flight Attendant Medical Research Institute (FAMRI), Chronic Rhinosinusitis Panel, Reston, VA December 13-15, 2016

Leberg, Paul

- Gulf Coast Joint Venture Waterbird Working Group Member, 2014-Present
- Instructor. Class in Conservation and Restoration Genetics, Organization of Tropical Studies, Costa Rica, 2011

Moon, Brad

- Panelist. National Science Foundation, 2012, 2013
- Invited member of Reptile and Amphibian Task Force. Louisiana Department of Wildlife and Fisheries, 2012-present
- Conference Organizer. Ernest A. Liner Louisiana Herpetology Conference, 2013

Mopper, Susan

- Visiting Professorship, Dalian National University, Dalian, China, 2016
- Panelist. National Science Foundation, Population and Community Ecology, 2012
- Panelist. National Science Foundation, Undergraduate Biomathematics Training Program, 2011

Neigel, Joseph

- Member. Louisiana Optical Network Initiative Institute (LONI-I) Leadership Committee, 2009-2013

Povinelli, Daniel

- Member. NIH Council of Councils Working Group on the Use of Chimpanzees in NIH-Supported Research, 2012 - 2013
- National Project Director. National Chimpanzee Observatories Initiative, 2009 - 2013
- Featured in *Surviving Progress*, a film from executive producer Martin Scorsese, 86 min, 2012
- Featured in *Through the Wormhole* (Season 3, "Did we invent God?"), produced and starring Morgan Freeman, 2012

Schmidt, Will

- Grants-in-Aid of Research Committee Member, Psychological Society of America,

Continued Appointment, 2016

Stauffer, Beth

- Advisory Council Member, Louisiana Universities Marine Consortium (LUMCON), 2016-present
- Co-organizer, Coastal Connections competition at UL Lafayette in collaboration with Louisiana Sea Grant, 2016-2017
- Special issue co-organizer, “Continuous nutrient sensing in research and management: applications and lessons learned across aquatic environments and watersheds,” Journal of Water Resources Research, 2016-present
- Advisory Council Member. Tulane Nutrient Reduction Challenge, 2015
- Technical Advisory Committee Member. ACT Performance Verification of Variable Fluorescence, invited participant to verification testing protocol workshop, 2015.
- Panel Reviewer. U.S. EPA Pathfinder Innovation Program awards, 2015.

Graduate Student Production

Ph.D. Students who graduated

Student name	Advisor	Year of Graduation
Moore, Jocelyn	Chlan	2016
Heestand Saucier, Esprit	France	2016
Camacho, Olga	Fredericq	2016
Richards, Joseph	Fredericq	2016
Sauvage, Thomas	Fredericq	2016
Blankson, Emmanuel	Klerks	2016
Jackson(Carrier), Latonya	Klerks	2016
Baker, Angela	Leberg	2016
Penning, David	Moon	2016
Tagliacollo, Victor	Albert	2015
Ukey, Rahul	Chistoserdov	2015
Rasch, Jennifer	Bauer	2015
Palacios Theil, Emma	Felder	2015
Krayesky-Self, Sherry	Fredericq/Watson	2015
Sloey, Taylor	Hester	2015
Esposito, Rhea	Povenelli	2015
Tang, Pei-Ciao	Watson	2015
Mallick, Amrita	Ennis	2014
Oguma, Andrew	Klerks	2014
Cazan (Morales), Alfy	Klerks	2014
Carvalho, Tiago	Albert	2013
Maxime, Emmanuel	Albert	2013
Olivier, Tyler	Bauer	2013
Thoma, Jana	France	2013
Cifuentes (Granados), Camila	Neigel	2013
Yednock, Bree	Neigel	2013

Luzan, Tanya	Chistoserdov	2012
Quinn, Robert	Chistoserdov	2012
Rodriguez Mora, Maria Jose	Chistoserdov	2012
Thoma, Brent	Felder	2012
Proud, Daniel	Felgenhauer	2012
Pickens (Johnston), Christine	Hester	2012
Walter, Scott	Leberg	2012
Viricel, Amelia	Rosel	2012
Mutoji, Nadine	Ennis	2011
Windsor, Amanda	Felder	2011
Arakaki, Natalia	Fredericq	2011
Adeyemi, Joseph	Klerks	2011
Vollmer, Nicole	Rosel	2011

MS Students (Thesis) who graduated

Student name	Advisor	Year of Graduation
Shirreff, Lisa	Ennis	2016
Pecnik, Simon	Felder	2016
Karmacharya, Binab	Duke-Sylvester	2015
	Duke-	
Mathai, Reyna	Sylvester/Visser	2015
Horaist, David	Visser	2015
Schulz (Peacock), Jessica	Leberg	2015
Grandon, Jarrod	Mopper	2015
Hundy, Laura	Hester	2015
Choubey, Lisha	Smith	2015
Bradnan, Danielle	Hasenstein	2015
Hazra, Suchandra	Chistoserdov	2014
Cheremie, Martin	Ennis	2014
Yando, Erik	Hester	2014
Satbhai, Kruuttika	Klerks	2014
Kumar, Manoj	Pesacreta	2013
Ivanyisky, Stephen	Albert	2012
Saha, Nibedita	Chlan	2012
Anderson (Root), Kate	Ennis	2012
Schriefer, Kalyn	Ennis	2012
Camacho, Olga	Fredericq	2012
Dupuis, Michael	Hester	2012
Sloey, Taylor	Hester	2012
Vogt, Sarah	Klerks	2012
Hutchison, Nicole	Leberg	2012
Vasseur, Phillip	Leberg	2012
Turluck, Theodore	Mopper	2012
Allaire, Kathryn	Watson	2012
Thigpen, Tyler	Moonn	2011

Cornwell, Brenden	Neigel	2011
Tobin, Eric	Visser/Leberg	2011

MS Students (non-thesis) who graduated

Student name	Advisor	Year of Graduation
Johnson, Renika	Chlan	2016
Delay, Chris	Mopper	2015
Quebodeaux, Quinn	Felgenhauer	2015
Waterman, Megan	Felgenhauer	2014
Calais, Warnesha	Watson	2014
Butler, Megan	Chlan	2013
Davis, Danielle	Felgenhauer	2013
Smoak, Patrick	Klerks	2013
Blackwell, Ebony	Duke-Sylvester	2012
Calixte, Genevieve	Ennis	2012
Woock, Jarrett	Felgenhauer	2012
Regmi, Binod	Leberg	2012
Bennett, Joseph	Moon	2011