

Department of Biology

Summary

The Department of Biology at the University of Louisiana at Lafayette took its current form in the late 1980s, with the merger of the biology and microbiology departments. In spring of 2021, the department has 23 professorial faculty members, and 5 instructors, represents a 15% reduction since the last report. Almost all professorial faculty members are active in research and serve as graduate faculty. There are also 4 visiting assistant professors and 2 temporary instructors, that are filling gaps in instruction resulting from recent deaths, retirements and other departures. Our graduate programs are also supported by 8 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 between 2016 and 2020. This report includes the accomplishments of adjunct, retired, deceased and emeritus faculty who are either recent regular faculty the department, or who work for other units of the University that are closely affiliated with Biology. The report is focused on our research strengths; however, faculty members have also been awarded considerable honors and funding for educational activities. We also briefly summarize the growth and size of our degree programs.

Grant Productivity

From 2016 through 2020, the Department of Biology has secured over 22 million dollars of new research funding (the total number of dollars associated with these grants, which are often multi-institutional, is considerably higher). In addition, faculty members associated with the New Iberia Research Center and the Louisiana Universities Marine Consortium have secured 28 million and 17 million respectively. We expect this number to be even higher in 2021, with several large recent awards not included here.

Publications

The faculty has a strong record of publication, with 317 papers published in peer-reviewed journals in the last 5 years. An additional 33 papers were published in conference proceedings or other edited volumes.

Other Accomplishments

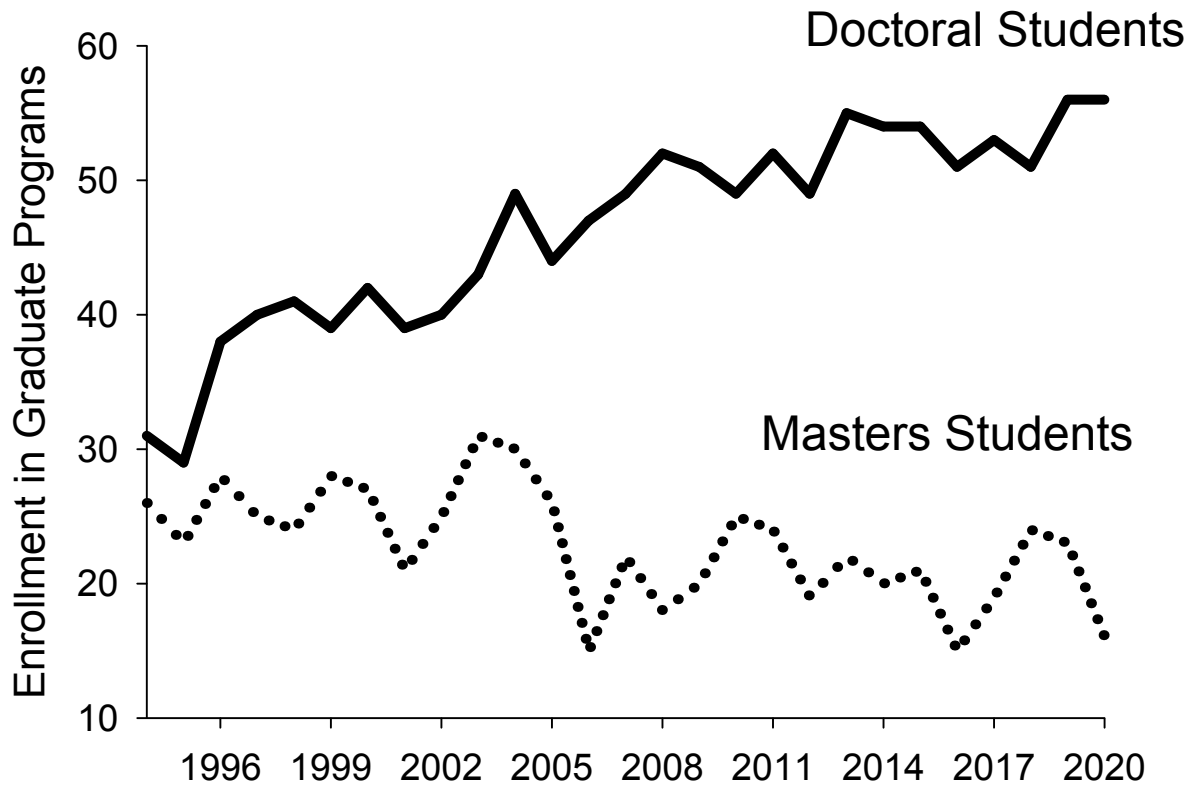
Other notable accomplishments between 2016 and 2020 include faculty authorship of five books and edited volumes. Faculty members have served as editors, associate editors, or editorial board members for 33 different journals, or as members of 36 society boards and committees and 34 grant review panels. They presented 114 of presentations as keynote addresses or invited seminars.

Degree Program Enrollments

Since 2002 and the implementation of selective admissions, enrollment in the undergraduate biology major has grown steadily. With 886 majors in fall 2018, biology is one of the largest majors at the University. Undergraduate enrollment peaked in 2019 with a small decrease this last fall.



The department has a Ph.D. program in Environmental and Evolutionary Biology (established in 1983), an M.S. program in Biology. In fall 2020, we had 16 M.S. students and 56 doctoral students. Enrollment has been high in the doctoral program, but fluctuating in the masters program. We hope to see increases as we fill recently vacated faculty positions.



The only doctoral program at a public university in Louisiana focused on Environmental and Evolutionary Biology and is the second largest biology doctoral program in the state. In the last five years, 35 students have received doctoral degrees in Environmental and Evolutionary Biology. During the same time period, 31 students have received MS degrees.

Publications, Presentations, Editorships, and Talks

Edited Volumes

- Barker, B.K. & Povinelli, D.J. (Eds) (2019) Folklore as an (unlikely) frame for science, The Aesop's fable paradigm. *Journal of Folklore Research*. (co-editors, with contributions by William Hansen, Gregg Schremp, Laura Hennefield and Grace Hwang.)
- Van der Sleen, P. & Albert, J.S. (eds). (2017). *Field Guide to the Fishes of the Amazon: Fish Genera of the Amazon, Orinoco, & Guianas*. Princeton, NJ: Princeton University Press. ISBN-10: 0691170746
- Rakshit, S., Wang, Y.-H. (eds). (2016). *The Sorghum Genome. Compendium of Plant Genomes*. Springer, Cham. doi:10.1007/978-3-319-47789-3

Journal Papers (Published)

1. Abreu, J.M.S., Waltz, B.T., Albert, J.S., & Piorski, N.M. (2020). Genetic differentiation through dispersal and isolation in two freshwater fishes from coastal basins of Northeastern Brazil. *Neotropical Ichthyology* 18(3). doi:10.1590/1982-0224-2019-0114
2. Abreu, J.M.S., Saraiva, A.C.S., Albert, J.S., & Piorski, N.M. (2020). Paleogeographic influences on freshwater fish distributions in northeastern Brazil. *Journal of South American Earth Sciences*, 102692, 1-9. doi:10.1016/j.jsames.2020.102692
3. Albert, J.S., Tagliacollo, V.A. & Dagosta, F. (2020). Diversification of Neotropical Freshwater Fishes. *Annual Review of Ecology, Evolution, and Systematics* 51, 27-53. doi:10.1146/annurev-ecolsys-011620-031032.
4. Albert, J.S., Destouni, G., Duke-Sylvester, S.M., Magurran, A.E., Oberdorff, T., Reis, R.E., Winemiller, K.O. & Ripple, W.J. (2020). Scientists' warning to humanity on the freshwater biodiversity crisis. *Ambio*, 50(1), 85-94. doi:10.1007/s13280-020-01318-8
5. Bagale, K., Paudel, S., Cagle, H., Segal, E., & Kulkarni, R. (2020). E-cigarette vapor exposure alters *Streptococcus pneumoniae* transcriptome in a nicotine dependent manner without affecting pneumococcal virulence. *Applied Environmental Microbiology*, 86(3), e02125-19 doi: 10.1128/AEM.02125-19 IF: 4.077
6. Baker, R., Taylor, M.D., Able, K.W., Beck, M.W., Cebrian, J., Colombano, D.D., Connolly, R.M., James, W.R., Lesser, J.S., & Nelson, J.A., et al. (2020). Fisheries Rely on Threatened Salt Marshes. *Science*, 370(6517), 670 doi:10.1126/science.abe9332
7. Bernt, M.J., Fronk, A.H., Jackson, K.M. & Albert, J.S. (2020). A redescription of deep-channel ghost knife fish, *Sternarchogiton preto* (Gymnotiformes: Apterontidae), with assignment to a new genus. *Neotropical Ichthyology*, 18(1), e190126. doi:10.1590/1982-0224-2019-0126.
8. Bowen, J.L., Giblin, A.E., Murphy, A.E., Bulseco, A.N., Deegan, L.A., Johnson, D.S., Nelson, J.A., Mozdzer, T.J., & Sullivan, H.L. (2020). Not all nitrogen is created equal: Differential effects of nitrate and ammonium enrichment in coastal wetlands. *BioScience* 70(12), 1108-1119
9. Byerly, P.A, Waddle, H., Romero Premeaux, A., & Leberg, P.L. (2020). Effects of

- barrier island salt marsh restoration on marsh bird occurrence in the Northern Gulf of Mexico. *Restoration Ecology*. doi:10.1111/rec.13222
10. **Cassin-Sackett, L.** (2020). Promising Protocols for Parasites: Metatranscriptomics reveals improved detection of hyperdiverse but low abundance communities. *Molecular Ecology Resources*, 20(1), 8-10. **Invited Perspective.**
 11. Chebloune, Y., Moussa, M., Arrode-Brusés, G., Ronfort, C., Bose, D., Gagnon, J., Gumber, Sc, Villinger, T., Byrareddy, S.N., Kozlowski, P.A., Gosse, L., Dereuddre-Bosquet, N., Le Grand, R., **Villinger, F.** (2020). A single lentivector DNA based immunization contains a late heterologous SIVmac251 mucosal challenge infection. *Vaccine*, 38, 3729-3739. PMID 25337803.
 12. Craig, J.M., Carvalho, T.P., Chakrabarty, P., Derouen, V., Ortega, H., Petry, P., Reis, R.E., Tagliacollo, V.A., & **Albert, J.S.** (2020). Formation of a species-rich fish assemblage in the Fitzcarrald region of Western Amazonia by habitat filtering and dispersal but not speciation. *Neotropical Ichthyology*, 18(2), e200004. doi:10.1590/1982-0224-2020-0004
 13. **Ding, B., Akter, M., & Zhang, C.L.** (2020). Differential Influence of Sample Sex and Neuronal Maturation on mRNA and Protein Transport in Induced Human Neurons. *Front Mol Neurosci*, 13, 46.
 14. **Ding, B.,** Tang, Y., Ma, S., **Akter, M.,** Liu, M.L., Zang, T., & Zhang, C.L. (2020). Disease modeling with human neurons reveals LMNB1 dysregulation underlying DYT1 dystonia. *bioRxiv*. doi: <https://doi.org/10.1101/2020.08.11.246371> (Preprint)
 15. Faircloth, B.C., Alda, F., Hoekzema, K., Burns, M.D., Oliveira, C., **Albert, J.S.,** Melo, B.F., Ochoa, L.E., Roxo, F.F., Chakrabarty, P., & Sidlauskas, B.L. (2020). A target enrichment bait set for studying relationships among ostariophysan fishes. *Copeia*, 108(1), 47-60.
 16. **Felder, D.L., & Robles, R.** (2020). A new mud shrimp of the genus *Pugnatrypaea* from outer continental shelf waters of the northern Gulf of Mexico, commonly associated with hydrocarbon seeps (Crustacea: Decapoda: Callinassidae) *Zootaxa* 4732(4), 545–555.
 17. **Felder, D.L., & Windsor, A.M.** (2020). Introduced *Hemigrapsus oregonensis* (Dana, 1851) formerly colonized an inland Texas salt spring, as now underpinned by mtCOI sequence analyses. *BioInvasions Records*, 9(2): 266–278.
 18. **Felder, D.L., & Robles, R.** (2020). Two new mud shrimp of the genus *Gilvossius* from the Gulf of Mexico (Crustacea: Decapoda: Callinassidae). *Nauplius*, 28, e2020018
 19. **Felder, D.L.** (2020). A new crab of the genus *Nanoplax* from the Gulf of Mexico, and reassignment of a former *Micropanope* (Crustacea, Brachyura, Pseudorhombilidae). *Zootaxa*, 4810, (3), 531–545.
 20. **Felder, D.L., & Thoma, B.P.** (2020). A new genus and species of mud crab (Crustacea, Brachyura, Panopeidae) from shoreline waters of the western Gulf of Mexico. *Zootaxa*, 4845(3), 425–435.
 21. **Felder, D.L., & Palacios Theil, E.** (2020). A new pinnotherid crab of the genus *Pinnixulala* from the northern Gulf of Mexico, with a rediagnosis and updated synonymy for *Pinnixulala retinens* (Crustacea: Decapoda: Brachyura). *Journal of Crustacean Biology*.

22. **Felder, D.L.**, & Palacios Theil, E. (2020). Three new symbiotic crabs of the genus *Glassella* from Atlantic and Gulf of Mexico coasts of Florida, U.S.A. (Decapoda, Brachyura, Pinnotheridae). *Journal of Crustacean Biology*, 2020, 1–19. doi:10.1093/jcbiol/ruaa072
23. **Felder, D.L.**, & Lemaitre, R. (2020). A new species of the hermit crab genus *Cancellus* H. Milne Edwards, 1836 from a mesophotic deep bank in the northwestern Gulf of Mexico (Crustacea: Decapoda: Diogenidae). *Zootaxa*, 4890(4), 589–598.
24. Fortela, D.L.B., Sharp, W., Revellame, E., **Chistoserdov, A.**, Holmes, W., Gang, D., Hernandez, R., & Zappi, M.E. (2020). Lipid accumulation capability of typical non-acclimated activated sludge microbial consortia using methane gas as secondary carbon source. *Engineer. Rep.*, 2(4), e12148.
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35. Hogan, A., Feagin, R., Starr, G., Ross, M., Lin, T-C, O’Connell, C., **Stauffer, B.A.**, **Robinson, K.L.**, Chapela Laura, M., Xue, J., Geist, S.J., Reese, B.K., Whitman, E., Douglas, S., Congdon, V.M., Reustle, J.W., Smith, R.S., Lagomasino, D., Strickland, B.A. Wilson, S., Proffitt, C.E., Hogan, J.D., Branoff, B.J., Armitage, A.R., Rush, S.A., Santos, R.O., Campos, M., Montaga, P.A., Erisman, B., Walker, L., Silver, W.L.,

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 37. James, W. R., Lesser, L.S., Litvin, S.Y., & **Nelson, J.A.** (2020). Assessment of food web recovery following restoration using resource niche metrics. *Science of the Total Environment*. doi:10.1016/j.scitotenv.2019.134801
 38. John, P.P., Baker, B.C., Paudel, S., Nassour, L., Cagle, H., & **Kulkarni, R.** (2020) Exposure to moderate glycosuria induces virulence of group B *Streptococcus*. *Journal of Infectious Diseases*, 2020, jiaa443. doi:10.1093/infdis/jiaa443
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- Seamounts, Northwest Atlantic. *Deep Sea Research Part I: Oceanographic Research Papers*, 165, 103366 doi: 10.1016/j.dsr.2020.103366
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 54. McCoy, M., Sloey, T.M, Howard, R.J., & **Hester, M.W.** (2020). Response of tidal marsh vegetation to pulsed increases in flooding and nitrogen. *Wetlands Ecology and Management*, 28(1), 119-135.
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- **France, S.C.** (2020). "2019 Expeditions with NOAA Ship *Okeanos Explorer*". In: Raineault, N.A, and J. Flanders, eds. New frontiers in ocean exploration: The E/V *Nautilus*, NOAA Ship *Okeanos Explorer*, and R/V *Falkor* 2019 field season. *Oceanography* 33(1), supplement, pp. 56-58, <https://doi.org/10.5670/oceanog.2020.supplement.01>
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- Capron, M.E., Blaylock, R., Lucas, K., Chambers, M.D., Steward, J.R., DiMarco, S.F., Whilden, K., Wang, B., Kim, M.H., Moscicki, Z., Sullivan, C., Tsukrov, I., Swift, M.R., James, S.C., Brooks, M.S., Howden, M., **Fredericq, S.**, Krueger-Hadfield, S.A.,

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- Justic, D., **Duke-Sylvester, S.M.**, Visser, J., & Liang, J. (2016) Chapter 11: Coastal Ecosystem Modeling in the Context of Climate Change: An Overview with Case Studies. In: Jørgensen, E. (ed). *Developments in Environmental Modelling, Volume 28: Ecological Model Types*. Waltham, MA: Elsevier.
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2015

- **Hasenstein, K.H.** (2015). Chapter 17: Use of High Gradient Magnetic Fields to Evaluate Gravity Perception and Response Mechanisms in Plants and Algae. In: Blancaflor, E.B. (ed). *Plant Gravitropism. Methods in Molecular Biology*, **1309**, New York, NY: Humana Press. doi:10.1007/978-1-4939-2697-8_17
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- **Wang, Y.-H.**, Upadhyaya, H.D., Dweikat, I. (2015). Chapter 5: Sorghum. In: Singh, M. & Upadhyaya, H.D. (eds). *Genetics and Genomic Resources for Grain Cereals Improvement*. doi:10.1016/B978-0-12-802000-5.00005-8

Plenary and Keynote Presentations

Albert, James

- *Topography, erosion and biodiversification in continental freshwaters*. Invited presentation, International Biogeography Society. Quito, Ecuador, 2019.
- Invited speaker, International Congress of Genetics, Foz de Iguacu, Brazil. 2018.
- Keynote Address, 3rd meeting of Amazonian Fishes and Climate Change (AmazonFish). Lima, Peru. 2017.
- Keynote Address, II International Symposium on Phylogeny & Classification of Neotropical Fishes. Londrina, Brazil. 2017.
- Department of Biological and Environmental Sciences, International Symposium on Phylogeny & Classification of Neotropical Fishes. Brazil, 2017.
- University of Gothenburg. Gothenburg, Sweden, 2017.
- St. Cloud State University. St. Cloud, MN, 2017.
- International Biogeography Society. Tucson, AZ, 2017.
- Society Study of Evolution. São Paulo, Brazil, 2015.

Cassin-Sackett, Loren

- Invited Speaker, Universidad de los Andes, Bogotá, Colombia, 2020
- Invited Speaker, University of Memphis, Memphis, TN, 2020
- *Genomics of Tolerance to Avian Malaria in a Hawaiian honeycreeper*. Plenary Speaker, Genomics of Wildlife Diseases workshop, Fort Collins, CO, 2019
- Louisiana State University Museum of Natural Science, Baton Rouge, LA, 2018.

Ding, Baojin

- *Dysregulated nuclear LMNB1 and impaired nucleocytoplasmic transport in Dystonia patient-derived neurons*. The American Society for Cell Biology (ASCB) and Annual Meeting. December 2-16, 2020. ASCB/EMBO Virtual Meeting.
- *Impaired Nucleocytoplasmic Transport in Neurological Diseases*. Department of Biological Sciences, University of Texas at Dallas, Dallas, TX, 2020
- *Nucleocytoplasmic Transport in Neurodegenerative Diseases*. National Clinical Research Center for Geriatric Disorders, Xiangya Hospital, Central South University, Changsha, Hunan Province, China. 2019

Duke-Sylvester, Scott

- Baton Rouge Audubon Society Meeting. Baton Rouge, LA, 2017.
- American Geophysical Union Fall Meeting. New Orleans, LA, 2017.

Ennis, Don

- *Whole Genome Analyses Reveals Highly Diverse Organization of 19 Outbreak Strains of M. Marinum Isolated From Four Continents.* Institute of Molecular Biology & Institute of Neurosciences, University of Oregon. Eugene, OR, July 16, 2018.
- *Whole Genome Analyses and Using an In vivo Infection Model in Japanese Medaka: Reveal Highly Diverse Virulence Mechanisms of Virulence of M. Marinum.* Department of Chemistry & Xiphophorus Genetic Stock Center, Texas State University. San Marcos, TX, April 6, 2018.
- NIH Sponsored Aquatic Models for Human Diseases Conference, University of Alabama Birmingham, Invited Chair for the Immunology and Infectious Diseases Session and Invited Speaker. Birmingham, AL, 2017.
- Baylor College of Medicine, Department of Molecular and Human Genetics, Invited Speaker. Houston, TX, 2017.
- University of Washington, Department of Microbiology. Seattle, WA, 2016.
- *When are Non-Tuberculosis Mycobacteria Commensals Sensitizing Versus Pathogens?* Invited Speaker, NIH-sponsored Many Hosts of Mycobacteria Conference VI. Tulane Primate Center, Covington, LA, 2015.
- *Analyses of Gene Expression Profiles in Mycobacterium marinum in an Activated Virulent State.* Invited Speaker, Wind River Conference on Prokaryotic Biology. Estes Park, CO, June, 2015.
- *Analyses of Gene Expression Profiles in Mycobacterium marinum in an Activated Virulent State.* Invited Speaker, Annual Conference of the South Central Branch of the American Society for Microbiology. Hattiesburg, MS, September, 2015.

France, Scott

- *Further observations on branching in bamboo coral colonies, with implications for taxonomy and in situ identifications.* Plenary Speaker, 6th International Symposium on Deep-Sea Coral. Boston, MA, 2016.

Fredericq, Suzanne

- *DNA metabarcoding demonstrates the importance of rhodoliths for macroalgal ecology and biodiversity in Gulf of Mexico deep-water mesophotic habitats.* Invited Key-note Speaker, 7th European Phycological Congress, Zagreb, Croatia, 2019.
- Invited Speaker, *Gulf of Mexico Reefs - Past, Present and Future* Symposium, Rice University. Houston, TX, October 10-11, 2018.
- Invited Plenary Speaker, XI Congreso de Ficología de Latinoamérica y el Caribe, IX Reunión Iberoamericana de Ficología, Universidad del Valle. Santiago de Cali, Colombia, 2017.
- Invited Plenary Speaker, International Rhodolith Meeting. San José, Costa Rica, July 28, 2015.

Hasenstein, Karl

- Student European Low Gravity Research Association (SELGRA), May 7, 2020 via Zoom: Clinorotation: concepts, problems, and some solutions (<https://www.youtube.com/watch?v=jfAEI9TOIk&t=22s>)
- Students for the Exploration and Development of Space (SEDS) Sri Lanka, October 7, 2020 via Zoom: Gravity and Life (<https://www.youtube.com/watch?v=m3VxO-hG3TE>)
- University of North Carolina, Greensboro, 2019
- East Tennessee State University, four public talks: 2/6; 3/2; 3/28; 4/24
- Sciences Interdisciplinary Monthly Meeting, UL Lafayette Plant proprioception – coping with gravity, 2019
- *Creativity — Bridges Between Arts and Science*. Public lecture series, East Tennessee State University. Johnson City, TN, 2017.
- Keynote Address, Appalachian Student Research Forum, East Tennessee State University. Johnson City, TN, 2017.
- *The Result of a Space Experiment - Magnetic Gradients Substitute for Gravity*. European Low Gravity Research Association (ELGRA). Corfu, Greece, 2015.

Hester, Mark

- The Effect of Soil Warming on *Avicennia germinans* and *Spartina alterniflora* Species Interactions and Belowground Processes: A Mesocosm Approach. Mangrove, Macrobenthos and Management Meeting. Invited Session Speaker. Singapore. 2019.
- *Impacts of the Deepwater Horizon Oil Spill on Louisiana Salt Marshes*. Society of Wetland Scientists Special Symposium. Wetlands in the Anthropocene: The Response of Coastal Wetlands to Global and Local Stressors. Special Symposium Speaker. Denver, Colorado, 2018.
- *Impacts of the Deepwater Horizon Oil Spill on Louisiana Salt Marshes*. Special Symposium Speaker, Wetlands in the Anthropocene: The Response of Coastal Wetlands to Global and Local Stressors. Society of Wetland Scientists Special Symposium. Denver, Colorado, 2018.
- Society of Wetland Scientists. San Juan, Puerto Rico, 2017.
- 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.
- Invited presentation, State of the Coast Meeting. 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.

Kane, Emily

- *Fish that suck, suck at swimming, and how I developed that groundbreaking hypothesis*. University of Hawai'i at Hilo, invited guest lecture for 2 undergraduate and 1 graduate classes taught by Dr. M. Knope, virtual presentations. Fall 2020

Kooyers, Nicholas

- *The double-edged sword of adaptation: Facilitating invasions or responses to changing climates?* University of Louisiana, Lafayette Biology Society, Invited Speaker, Lafayette, LA 2020
- *The Consortium for Plant Invasion Genomics.* NSF EPSCoR Conference, Invited Speaker, Washington, DC 2019
- Can herbivore selection pressures explain diversity in plant chemical defense? Entomology Society of America, Symposium Speaker, St Louis, MO, 2019
- Can adaptation keep pace with climate change? Insights from evolutionary genetic studies of a widespread monkeyflower. Louisiana State University, Invited Speaker, Baton Rouge, LA 2019
- Can adaptation keep pace with climate change? Insights from evolutionary genetic studies of a widespread monkeyflower. Valparaiso University, Invited Speaker, Valparaiso, IN 2019
- *Replaying life's tape: Using recurrent spatial patterns to understand the ecological genetics of adaptation.* Invited Speaker, Tulane University. New Orleans, LA, 2018.
- *Replaying life's tape: using recurrent spatial patterns to understand the ecological genetics of adaptation.* Invited Speaker, Mississippi State University. Starkville, MS, 2018
- *Replaying life's tape: using recurrent spatial patterns to understand the ecological genetics of adaptation.* Invited Speaker, Auburn University. Auburn, AL, 2018.
- *Genetic correlations between reproductive rate and defense impede genetic rescue in a native monkeyflower.* Symposium Speaker, Second Joint Conference on Evolutionary Biology. Montpellier, France, 2018.

Kulkarni, Ritwij

- *Effects of Cigarette Smoke Exposure on the Pathophysiology of Bacterial Respiratory Tract Infections.* Department of Microbiology, MES Abasaheb Garware College. Pune, India, July, 2017.
- *Effects of Cigarette Smoke Exposure on the Virulence of Respiratory Tract Pathogens.* Department of Microbiology, Fergusson College. Pune, India. July 17, 2017.
- Annual meeting of South Central Branch of American Society of Microbiology. UL Lafayette, LA, 2016.
- American Thoracic Society (ATS) Leadership Summit. San Antonio, TX, 2016.

Leberg, Paul

- Successes and Challenges of Creating Avian Habitats Through Restoration of Louisiana's Coastal Islands: If You Build It, Will They Come? Keynote speaker, Joint meeting of the Louisiana Association of Professional Biologists and Louisiana state chapter of the Wildlife Society, Lafayette, LA, 2019.
- *Influences of Coastal Island Restoration on Seabird Populations and Their Nest Predators.* Invited Session Speaker, National Conference on Ecosystem Restoration. New Orleans, LA, 2018.
- Louisiana Department of Wildlife and Fisheries, Invited Speaker, Baton Rouge, LA, 2017.

- College of Natural Resources, Louisiana State University. Baton Rouge, LA, 2016.

McClain, Craig

- *Alligators in the Abyss*. ORD Camp, Chicago, IL, 2020
- How the Astonishing Biodiversity and Existence of Deep-Sea Life Challenges Everything We Know. Georgia Aquarium, Atlanta, GA, 2020
- How the Astonishing Biodiversity and Existence of Deep-Sea Life Challenges Everything We Know. Hendrix College, Conway, AR, 2020
- The Energetic Worlds that Form on Sunken Trees in the Deep Ocean: A Test of Ecological and Evolutionary Theory. Sillman Lab at Duke University, Durham, NC 2020
- The energetic worlds that form on sunken trees in the deep ocean: A test of ecological theory. Louisiana State University Museum of Natural Science, Baton Rouge, LA, 2019

Moon, Brad

- Austin Herpetological Society. Austin, TX, 2016.
- Austin Herpetological Society. Austin, TX, November 2015.
- East Texas Herpetological Society. September 2015.

Nelson, James

- LUMCON. Cocodrie, LA, 2017.
- Louisiana State University. Baton Rouge, LA, 2017.
- University of South Florida, St. Petersburg, FL 2017.

Povinelli, Daniel

- Why there is (still) no experimental evidence for theory of mind in animals, and why non-experimental approaches won't provide any either. Keynote Speaker, The structure and development of understanding actions and reasons, University of Salzburg, Salzburg, Austria, January 5, 2020.
- *The Elusive Quest for Experimental Evidence for Theory of Mind and Empathy in Animals*. Invited Colloquium, Empathy and Cognition, Department of Psychology, Washington University in St. Louis, December 19, 2019.
- *How the Chimpanzee (and The Raven) Became Human*. Invited University Address, Fall Human/Animal Themester, Indiana University. Bloomington, IN, November 26, 2018.
- *On the Role of the Fundamental Inference Error in the 'Advancement' of the Science of Animal Minds*. Invited colloquium, Cognitive Science Program, Indiana University. Bloomington, IN, November 26, 2018.
- *Reflections on the lack of higher-order reasoning in animals and the implications for the evolution of human morality*. Invited Lecture, Departments of Psychology and Philosophy, Workshop on Moral Reasoning, University of Texas at El Paso. El Paso, TX, July 20, 2018

- *Animal agency as a solution to the problem of animal rationality.* The van Leer Jerusalem Institute and the Hebrew University of Jerusalem. Jerusalem, Israel, June 19-21, 2017.
- *Animal Folklore: Just Read the Science?* University of Tartu, Institute for Cultural Research, Folklorists Are Fallible Conference. Tartu, Estonia, June 10, 2017.
- American Folklore Society, Invited Speaker. Miami, FL, 2016.
- Special 90-minute lecture/performance with Joshua Smith, German Primate Center. Göttingen, Germany, 2016.
- *What makes us human?* Keynote Closing Speaker, 6th IMPRS NeuroCom Summer School, Max Planck Institute for Human Cognitive and Brain Sciences. Leipzig, Germany, 2016.
- *Anthropomorphomania.* Invited Colloquium, Center for the Study of Human Evolution, New York University. New York, NY, December 10, 2015.
- *Two ways of acting for reasons.* Washington University, Philosophy-Neuroscience-Psychology Program, Works-Progress Colloquium with Caroline T. Arruda. St. Louis, MO, November 20, 2015.
- Invited Mind-Brain Lecture, Berlin School of Mind and Brain. Berlin, Germany, July 9, 2015.
- *Foundational problems in the study of human infant and chimpanzee cognition.* Special Invited Colloquium, Department of Cognitive Science, Central European University. Budapest, Hungary, June 29, 2015.
- *The Social Self: How Social Interactions Shape Body and Self-Representations.* Invited speaker and Instructor, Aegina Summer School (Organized by the Center for the Study of the Senses, Institute of Philosophy, University of London, and Royal Holloway University London). Aegina, Greece. June 21-17, 2015.
- *Toward Empirically Adequate, Well-Grounded Models of Higher-order Reasoning in Animals.* PNP Medical School Lunchtime Talk Series. St. Louis, MO, March 18, 2015.
- *How the Chimpanzee Got its Theory of Mind Without Even Trying.* Invited Guest Colloquium, Department of Psychology, Washington University. St. Louis, MO, February 23, 2015.
- *On the Rise of Autism and its Early Detection: Experimental, Social, and Ethical Implications,* with Susan Fitzpatrick. Washington University in St. Louis School of Medicine. St. Louis, MO, February 9, 2015.

Robinson, Kelly L.

- “Swimming in a Sea of Data: Zooplankton across the scales of ecosystem oceanography.” Gulf Coast Research Laboratory, Univ. Southern Mississippi. 4 September 2019

Smith, Karen

- *Glial Cell Hypertrophy in Post Zika Infection.* Louisiana Branch of the American Association for Animal Laboratory Sciences. Covington, LA. 2020

- Developmental and Physiological roles of Fibroblast Growth Factor Receptors in Astrocyte-Neuron Interactions. Tulane University, Cell and Molecular Biology Department Seminar Series. New Orleans, LA. 2020
- Differential expression of the mu opioid receptor in a primate model of self injurious behavior. International Society for the Study of Self Injury. Orlando, Florida. 2019.
- Developmental and Physiological roles of Fibroblast Growth Factor Receptors in Astrocyte-Neuron Interactions. Louisiana State University BMB/CDIB seminar. Baton Rouge, LA. 2019
- Endogenous Opioid Receptor Alteration in the Limbic Circuit of *Macaca mulatta* with Self Injurious Behavior. Louisiana Branch of the American Association for Animal Laboratory Sciences. New Iberia, LA 2019
- *Examination of cortisol receptors and endogenous opiates and opioid receptors in Rhesus macaques with self-injurious behavior.* Platform Presentation Louisiana Branch AALAS meeting. Lafayette, LA. 2018
- *Mouse Identification Techniques.* Louisiana Branch AALAS meeting. 2016.

Stauffer, Beth

- “Massive events with microscopic-scale impacts,” LUMCON Science Talks, Apr 2020
- A changing Gulf: understanding the effects of environmental variability and perturbation on coastal phytoplankton communities in the Gulf of Mexico and the food webs that depend on them. Rutgers University Department of Marine and Coastal Sciences Seminar, Nov 2020.
- *A marginal sea of variability in ocean acidification and harmful algal blooms in the Gulf of Mexico.* Invited presenter, NOAA Ocean Acidification & Harmful Algal Blooms: Defining a Research Agenda, Virtual Webinar and Workshop, Jul-Aug 2020. (available online: <https://www.youtube.com/watch?v=mJYFp7GnBhs&feature=youtu.be>)
- From HABs to hurricanes: understanding the drivers of changing plankton communities and their effects on ocean food webs. Invited speaker, Skidaway Institute of Oceanography, University of Georgia, Skidaway, GA, Mar 2020.
- From HABs to hurricanes: understanding the drivers of changing phytoplankton communities and their effects on ocean food webs. Invited speaker, Florida International University, Department of Biological Sciences, Miami, FL, Feb 2020.
- Ocean acidification, hypoxia, and hurricanes: Plankton food webs in the Gulf of Mexico across multiple stressors. Invited speaker, NOAA Ocean Acidification Community Meeting and Mini-Symposium, Miami, FL, Jan 2020.
- Death (and taxes): Variability in grazing-related losses and effects on protistan communities across environments in the northern Gulf of Mexico. Invited speaker, University of Southern Mississippi, Division of Marine Science Seminar, Stennis Space Center, Nov 2019.
- *Lightning talk: Ecosystem responses to Hurricane stressors.* Ecosystem Responses to Hurricanes Synthesis Workshop, Texas A&M Corpus Christi, Apr 2019.
- Cyanobacteria HABs in LA estuaries. Invited speaker, Louisiana HAB Task Force Meeting, LSU, Baton Rouge, LA, Feb 2020.

- Beyond Biomass: The Variety of Roles and Controls Shaping Phytoplankton Communities. Southeastern Louisiana University, Department of Biology Seminar, Apr 2019.
- *Beyond biomass: The variety of roles and controls shaping phytoplankton communities*. Louisiana State University, College of the Coast & Environment, Baton Rouge, LA, 2019.
- *Living in, with, & on water: Louisiana's connection with the Gulf*. H2O/LA: An Examination of Louisiana's Relationship with Water, Center for Louisiana Studies. Lafayette, LA, 2017.
- National Water Monitoring Conference. Tampa, FL, 2016,
- Department of Biology, University of West Florida. 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*. Biology Department, Southeast Louisiana University. Hammond, LA, September 2015.
- *Nutrient Sensor Challenge Summit: Overview and Objectives*. Nutrient Sensor Challenge Summit. Carriage House, Washington D.C., 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, D.C., March 2015.

Villinger Francois

- *Mapping total body viral replication and immune responses, from macro to microimaging*. Alabama State University, Montgomery AL, February 6, 2018.
- *Imaging from macro to microscopic level, how to focus on mechanisms of disease*. LB-AALAS Keynote. Lafayette, LA, March 21, 2018
- *Tracking virus infection and immune responses in vivo: From macro to microscopic characterization*. 12th Congress of the World Federation of Nuclear Medicine and Biology. Melbourne, VIC, Australia. April 20-24, 2018.
- *Whole Body Imaging of HIV Persistence*. Novel Imaging Technologies for Detection of HIV and Associated Inflammation/Pathology in the Brain, NIH. Rockville, MD. October 29, 2018.
- *Imaging SIV rebound in real time*. The Collaboration for AIDS Vaccine Discovery, BMGF. Seattle, WA December 5, 2018.

Funding

External Funding

Albert, James

- NSF-REU 1520047-003 supplement to NSF-DEB 1354511. \$4,467 to UL Lafayette. 2017.

- 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. 2014-2017.

Alciatore, Pegge

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

Cassin-Sackett, Loren

- Arizona Game and Fish Department Heritage Fund. Uncovering the genetic basis of survival from plague in Gunnison's prairie dogs. 2020-2022, PI, \$69,925.
- Fulbright Commission. The influence of microbiota on wildlife disease dynamics in Colombia. 2019-2020 PI, \$26,000.
- National Science Foundation, Ecology and Evolution of Infectious Diseases Program. Predicting the evolution of vector-borne disease dynamics in a changing world. 2017-2022, Co-PI, \$370,468.

Chistoserdov, Andrei

- Advance Biomedical Corporation (Dublin, Ohio), Co-PI, 2018-2019, \$35,000 (Chistoserdov's lab portion).
- Production of Fuels and Other Life Support Products Using Wastewaters as a Feed into a Space-Based Biochemical Conversion System (BIOSYS), NASA + match from BoR, Co-PI, 2017-2020. \$1,500,000.
- Microbiological Applications for the Control of Preserved Food Production. The McIlhenny Company, PI, 2017-2019, \$50,000.
- 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.

Ding, Baojin

- NIH/NINDS NS112910. Exploratory Neuroscience Research Grant. PI, 2020-2022, \$398,750.
- DoD W81XWH2010186. Peer Reviewed Medical Research Program (PRMRP) Discovery Award. PI, 2020-2022, \$290,000.
- Louisiana Board of Regents. Enhancement of Biology Research and Teaching through Personal Flow Cytometry. CoPI, (**Stauffer. B, PI**) 2020-2021, \$85,553.50.

- NIH/NIA P30. The Friends of the Alzheimer’s Disease Center and NIH Alzheimer’s Disease Center. PI, 2017 -2018, \$65,000.

Duke-Sylvester, Scott

- The Water Institute of the Gulf. Refinement of Vegetation Biomass Dynamics for the Integrated Biophysical Model of Louisiana's Coastal Wetlands. May 1, 2018 to August 30, 2018. \$2318.
- NSF/NIH. Eco-epidemiology of tick-borne rickettsial pathogens. H. Gaff (ODU PI), S. M. Duke-Sylvester (coPI, ULL Lead). October 1, 2017 to October 31, 2022. \$1,000,000 total, \$254,804 to UL Lafayette.
- THE WATER INSTITUTE OF THE GULF. Anahuac National Wildlife Refuge Hydrology Scenario Evaluation. May 15, 2017 to June 30, 2017. \$6,000.
- Royal Engineers and Consultants, LLC. S. M. Duke-Sylvester (PI, 1/3 summer month). July 1, 2016 to July 1, 2017. \$3,602.
- National Science Foundation. FESD Type II: A Delta Dynamics Callaboratory. PI, 2011-2016, \$198,546.
- The Water Institute of the Gulf. Delta Management Review and Analysis. S. M. Duke-Sylvester (PI, 1 summer month) and J. Visser (co-PI). June 1, 2015 to June 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). June 1, 2015 to June 30, 2017. 2017, \$71,681 total, \$30,000 to 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, 2013-2014, \$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.

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.

France, Scott

- NOAA Office of Ocean Exploration and Research, “Science Advisor to the NOAA Ship *Okeanos Explorer* Program” 2020-2021, PI \$127,592

- NOAA Office of Ocean Exploration and Research, “Science Advisor to the NOAA Ship *Okeanos Explorer* Program” 2019-2020, PI \$76,326
- NOAA Office of Ocean Exploration and Research, “Science Advisor to the NOAA Ship *Okeanos Explorer* Program”, PI, 2017-18, \$121,130
- NOAA-OER/University Corporation for Atmospheric Research. Central Pacific Exploration: EX1705: Cook Islands, Jarvis, and Kingman/Palmyra, PI, 2017, \$59,230.
- 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, 2014-2015, \$5,000.
- University Corporation for Atmospheric Research (NOAA-OER). Our Deepwater Backyard: Exploring Atlantic Canyons and Seamounts. PI, 2014, \$19,614.
- Continental Shelf Associates Subcontract on Boem Grant. Exploration and Study of Coral Communities of mid-Atlantic Deep-Water Canyons. PI, 2010-2015, \$310,000.

Fredericq, Suzanne

- National Science Foundation, DEB, REU Unsuspected eukaryotic life inhabits rhodolith-forming coralline algae (Hapalidiales, Rhodophyta), a remarkable marine benthic microhabitat. PI, 2020, \$14,500
- Louisiana Board of Regents. Enhancement of biology research and teaching through personal flow cytometry. 1 of 9 co-PIs (Stauffer, B. PI), 2020, \$85,000.
- National Science Foundation, MRI. MRI: Acquisition of Focused Ion Beam-Scanning Electron Microscope for the Multidisciplinary Research and Education at University of Louisiana at Lafayette. **S. Fredericq, S. Kravesky-Self, M. Mokhtari & T. Pesacreta**, co-PIs (Zhou, X.-D, PI), 2019, \$997,589
- National Science Foundation, DEB, REU. Unsuspected eukaryotic life inhabits rhodolith-forming coralline algae (Hapalidiales, Rhodophyta), a remarkable marine benthic microhabitat. PI, 2019, \$14,500
- U.S. Department of Energy Advanced Research Projects Agency – Energy (ARPA-E), OceanForesters for the AdjustaDepth and SeaweedPaddock, ARPA-E contract DE-AR0000916-1. (co-PI), 2019, \$4,000
- National Science Foundation, DEB, REU. Unsuspected eukaryotic life inhabits rhodolith-forming coralline algae (Hapalidiales, Rhodophyta), a remarkable marine benthic microhabitat. Suzanne Fredericq (PI) and **Sherry Kravesky-Self** (co-PI), 2018, \$12,500
- Department of Energy Advanced Research Projects Agency - Energy (ARPA-E). Novel Seaweed Growth Systems to Drastically Reduce Cost of Biofuels, OceanForesters for the AdjustaDepth and SeaweedPaddock, ARPA-E contract DE-AR0000916-1, Phase 1. Suzanne Fredericq (consultant), 2018, \$4,000

- National Science Foundation, DEB. REU suppl. Collaborative Research: ARTS: Integrative Research and Training in Tropical Taxonomy. Suzanne Fredericq (PI), 2018, \$6,250
- National Science Foundation, DEB. Unsuspected eukaryotic life inhabits rhodolith-forming coralline algae (Hapalidiales, Rhodophyta), a remarkable marine benthic microhabitat. Suzanne Fredericq (PI) and **Sherry Krayesky-Self** (co-PI), 2018, \$893,911
- National Science Foundation. Collaborative Research: ARTS: Integrative Research and Training in Tropical Taxonomy. (PI), 2015-2018, \$86,845.
- National Science Foundation, DEB. REU suppl. Collaborative Research: ARTS: Integrative Research and Training in Tropical Taxonomy. Suzanne Fredericq (PI), 2017, \$6,250
- National Science Foundation, DEB. REU suppl. Collaborative Research: ARTS: Integrative Research and Training in Tropical Taxonomy. Suzanne Fredericq (PI), 2016, \$6,250
- 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.

Genung, Mark

- Louisiana Department of Education, Louisiana Environmental Education Commission. The Impact of Pollinator Predation on the Cajun Prairie. PI, 2020-2021, \$2,240
- Louisiana Department of Education, Louisiana Environmental Education Commission. The pollinator communities of Western Louisiana and their impact on plant populations. PI, 2020-2021, \$2,496
- NSF, Population and Community Ecology. SG: Synthetic analysis of the importance of species richness to ecosystem services in real-world systems. PI, 2019-2021, \$149,998

Hasenstein, Karl

- NASA Additional funding to (80NSSC17K0344) in 2020: \$37,703 Funding to be extended for 1 year after sample return from ISS (TBD).
- NASA EPSCoR CAN NNH18ZHA004C One-step gene sampling tool to improve the ISS bioanalytical facility. (with Niel Crews, LaTech) 2019-2021 UL part: \$33,838
- LaSPACE Research Enhancement Award: Exploring Long-Term Storage Chemistries for genetic analyses in space (with Niel Crews, LaTech) 2018-2019 UL part: \$25,288
- NASA (80NSSC17K0344) Assessment of nutritional value and growth parameters of space-grown plants. 2017-2020 \$573,840.
- 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.

- 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

- US Army Corps of Engineers. Quantifying Inundation Effects on Marsh Vegetation. Co-PI with J. M. Willis (Nicholls State University) lead PI. 2019-2021. Total award \$159,990; UL subcontract \$9,991.
- US Army Corps of Engineers/Louisiana CPRA. Coast 2050 Academic Advisor PPL (Project Priority List) 30 (review proposed coastal restoration projects for CWPPRA). Principal Investigator 2020, \$3,000.
- NSF DEB. RUI-COLLABORATIVE: The Influence of Mangrove Invasion and Rising Temperatures on Belowground Processes in Coastal Ecosystems. Co-PI (S. Chapman PI), A. Langley, I. Fellar, J. Morris and G. Verutes. 2018-2021. (UL Lafayette Collaborative Award \$341,469) Total Award \$890,396.
- US Army Corps of Engineers/Louisiana CPRA. Coast 2050 Academic Advisor PPL (Project Priority List) 28 (review proposed coastal restoration projects for CWPPRA). (PI) 2018; \$3,000.
- 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. (**M. 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.
- 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.

Klerks, Paul

- Louisiana Board of Regents. Organic molecule imaging at the Louisiana Accelerator Center (OMILAC). Co-PI (**Harry Whitlow**, PI). 2018-2019, \$197,675.

- Louisiana Board of Regents. Recruitment of superior graduate students in environmental and evolutionary biology for 2018. PI, **Brad Moon** (CoPI), 2018-2023, \$120,000.
- 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.

Kooyers, Nicholas

- National Science Foundation OIA-1920858: RII Track-2 FEC: Consortium for Plant Invasion Genomics (CPING): Combining Big Data and Plant Collections to Understand Invasiveness. Lead PI, 2019-2023, \$3,835,497.

Krayesky, Sherry

- Louisiana Educational Quality Support Fund 2020– Acquisition of a FTIR microscope for research and teaching. CoPI, 2020, \$85,000
- Louisiana Board of Regents. Enhancement of biology research and teaching through personal flow cytometry. 1 of 9 co-PIs (Stauffer, B. PI), 2020, \$85,554.
- National Science Foundation/BOR EPSCoR SURE: Searching for Dinoflagellate Life Stages Inside Rhodolith-forming Coralline Red Algae. PI, 2015, \$2000.

Kulkarni, Ritwij

- Board of Regents-Research Competitiveness Subprogram. Secondhand cigarette smoke promotes virulence in upper airway bacteria. PI 2017-2020 \$244,915.

Leberg, Paul

- COYPU Foundation. Understanding food resources and winter habitat use of coastal nesting birds to promote better conservation. 2020-2021 PI \$48,195
- Louisiana Coastal Protection and Restoration Authority, Analysis of Avian Responses to restoration activity. 2020-2023, PI \$90,880
- TEC Energy. Understanding the Effects of Island Restoration on Seabirds to Improve Coastal Management. 2020-2021. PI \$26,300
- PADI Foundation (Professional Association of Diving Instructors). Understanding the Effects of Island Restoration on Seabirds to Improve Coastal Management. 2020, PI \$6000

- US Fish & Wildlife Service/ Louisiana Department of Wildlife and Fisheries. Assessment of the Effects of a Planned Coastal Island Restoration on Seabirds and Their Nest Predators. PI 2020-2021 PI \$109,877
- Coypu Foundation. Understanding the effects of island restoration on seabirds to improve coastal management. 2018-2019 PI \$78,139.
- Barataria-Terrebonne National Estuary Program. Analysis of avian nesting ecology studies. 2018 PI \$9,700.
- Louisiana Restore Center of Excellence. Assessment of coastal island restoration practices for the creation of brown pelican nesting habitat. PI 2017-2019, \$299,733.
- 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.
- LA Board of Regents Graduate Fellows Program. Co-PI, (P. Klerks, PI), 2011-2016, \$208,000.
- LA Board of Regents Graduate Fellows Program. Co-PI, (P. Klerks, PI), 2010-2015, \$200,000.

McClain, Craig

- EDA. LUMCON Marine Operations Center Bulkhead and Interlocking Sheet Pile Infrastructure, 2020, \$2,000,000
- Marine Operation Center (LUMCON Houma Marine Campus Phase 2). Louisiana Capital Outlay Appropriation | Craig McClain and Matt Isch, 2019, \$12,110,424.
- Proposal for the operation of Regional Class Research Vessel #3 in the Gulf of Mexico, Caribbean Sea, and Southwestern Atlantic Ocean | NSF/OCE | Craig McClain, Joseph Malbrough, and Brian Roberts, 2019, \$3,173,061 (plus operation of \$110,000,000 RCRV)

Moon, Brad

- Louisiana Board of Regents, Traditional Graduate Fellows Program. Co-PI, (**P. Klerks, PI**), 2018-2023, \$120,000.
- Louisiana Biomedical Research Network Analysis of Amphibian Skin Secretions. PI. 2017. \$7,500.
- 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.

Nelson, James

- Coypu Foundation. "Effects of dredging on offshore sand shoals for coastal restoration in Louisiana", PI, 2020-2022, \$24,257
- Bureau of Ocean Energy Management. "Assessment of Ecological Function and Recovery of Biological Communities within a Sand Shoal Habitat in the Gulf of Mexico Subjected to Dredging-Telemetry Study". PI, 2019-2022, \$80,000
- Coypu Foundation. "Understanding food resources and winter habitat use of coastal nesting birds to promote better conservation". CoPI, (**PI: Leberg**), 2020-2021, \$45,990
- Louisiana Sea Grant. Optimizing the use of Unmanned Aerial Vehicles (UAVS) to Identify and Track Finfish Schools for the Commercial Fishing Industry". CoPI (**PI: Robinson**), 2020-2022, \$49,989
- US Department of the Interior, Bureau of Ocean Energy Management. "Ecological Function and Recovery of Biological Communities within Sand Shoal Habitats within the Gulf of Mexico (MM-19-01)". PI, 2019-2022, \$1,999,995
- National Science Foundation, Collaborative Research: TIDE: Legacy effects of long-term nutrient enrichment on recovery of saltmarsh ecosystems, 2019-2021, Co-PI, UL collaborative \$100,041, Total Award: \$1,337,907
- National Science Foundation, LTER: Drivers of Abrupt Change in the Florida Coastal Everglades, 2019-2020, PI-subcontract, \$34,500
- Louisiana Department of Environmental Quality, Broussard Assimilation Wetland Monitoring, 2018-2020, PI: Nelson, \$ 223,003
- Louisiana Seagrass Core Submission; Development of Restoration Assessment Tools and Educational Products with Drones 2018-2020. PI, \$186,000.
- Department of the Interior National Parks Service Everglades Ecosystem Restoration and Management Effects of freshwater inflows and seagrass die-off on recreational fisheries: A trophic & movement ecology approach 2018-2020. Co-PI, \$112,000 (\$747,300 total).
- 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.

Pesacreta, Thomas

- Louisiana Educational Quality Support Fund 2020– Acquisition of a FTIR microscope for research and teaching. CoPI, 2020, \$85,000
- National Science Foundation, 2020 – Acquisition of a Focused Ion Beam- Scanning electron microscopy for engineering and science research and teaching. CoPI, 2020, \$997,589

Plouviez, Sophie

- Louisiana Board of Regents Support Fund. Enhancement of Biology Research and Teaching through Personal Flow Cytometry. CoPI, (PI: **Beth Stauffer**), FY2019-2020, \$85,554

Povinelli, Daniel

- Indiana University Human-Animal Themester Award to produce the original play *Confessions of a Former Monkey Mind Doctor*, written by Daniel Povinelli & Brandon Barker, for the faculty and students of University of Indiana, Fall 2018 (\$4500)
- McDonnell Center for Systems Neuroscience, New Resource Proposal. Washington University School of Medicine in St. Louis, Co-PI, 2015, \$40,000.

Robinson, Kelly

- Louisiana Sea Grant 2020 Technology Development Program. Optimizing the use of unmanned aerial vehicles (UAVs) to identify and track finfish schools for the commercial fishing industry. PI, 2020, \$49,989
- NSF Major Instrumentation Program. Autonomous real-time monitoring of Gulf ecology with SeaGliders: advancing interdisciplinary research and education through modern technology. Co-PI, 2018-2019. \$657,246
- Gulf of Mexico Research Initiative (GoMRI), Deep-pelagic plankton dynamics: trophic ecology, community structure, and connectivity with the upper ocean, Co-PI, 2018-2020, \$264,413.
- National Science Foundation Biological Oceanography Program. Collaborative: RAPID: Response of plankton assemblages and trophodynamics to a historic, hurricane-induced floodwater plume in a subtropical, pelagic environment. PI, 2017 - 2018. \$94,446 (\$199,978 total).
- Institute for Coastal and Water Research (ICaWR), Tracking season variability in plankton abundance, community structure, and trophic energy in Terrebonne Bay, PI, 2017-2018. \$5,000.

Smith, Karen

- Louisiana Board of Regents Support Fund. Research Competitiveness 1-year grant: The Endogenous Opioid System and Self Injury, Role: PI, \$15,000
- Louisiana Board of Regents Support Fund. Targeted Enhancement Grant: Ultra-high brilliance multi-cusp ion source for research users at the Louisiana Accelerator Ccenter (BRILLIANT@LAC), Role: Co-PI, \$191,035
- Louisiana Board of Regents Support Fund. Targeted Enhancement Grant: Targeted Enhancement of Biology Research and Teaching through Personal Flow Cytometry, Role Co-PI, (PI: **Stauffer**), 2019-2020, \$85,533

- Louisiana Board of Regents Support Fund “Organic Molecule Imaging at the Louisiana Accelerator Center (OMILAC).” 2018-2019, \$195,000. Role: Co-PI

Stauffer, Beth

- LA Board of Regents Support Fund, Enhancement of Biology Research and Teaching through Personal Flow Cytometry. PI with 9 UL Lafayette colleagues, 2020-2021, \$85,554
- Louisiana Sea Grant College Program, Understanding the effects of varying prey assemblages on oyster feeding in restoration- and climate-impacted estuaries. PI with J. LaPeyre (LSU AgCenter), 2020-2022, \$137,722.
- Louisiana Sea Grant College Program, Documenting Estuarine Freshening and Changing Plankton Communities as a Result of the 2019 Floods. PI (with contributions to proposal writing from PhD student A. Jaegge), 2019-2020, \$24,863.
- Louisiana Water Resources Research Institute (USGS 104b), Assessing present and potential effects of cyanotoxins in south Louisiana estuaries, 2019-2020, \$9,168.
- Gulf of Mexico Coastal Ocean Observing System (GCOOS), Testing Operational Status of Nutrient Sensors in the Gulf of Mexico, 2018-2019, \$25,000.
- National Academies of Science, Engineering, and Medicine Gulf Research Program Early Career Research Fellow, 2018-2020, \$75,000.
- NSF Major Research Instrumentation (MRI), Acquisition of an integrated AUV system for observations of physical and biogeochemical interactions in the Northern Gulf of Mexico ecosystem across spatiotemporal scales. CoPI, 2018-2020, \$456,593.
- NSF RAPID, Collaborative Research: RAPID: Response of plankton assemblages and trophodynamics to a historic, hurricane-induced floodwater plume in a subtropical, pelagic environment, 2017-2018, \$94,446.
- ICaWR Pilot Project Funding, Oyster feeding and selectivity with hydrologic restoration-induced changes in phytoplankton prey communities, PI, 2017-2018, \$4,846.
- ICaWR Pilot Project Funding, Terrebone Bay plankton communities. CoPI, 2017-2018, \$4,986.
- NSF Research Experience for Undergraduates, REU Site: Healthy Streams, Healthy Coasts: An Interdisciplinary Approach to Watershed Science and Education. CoPI, 2017-2020, \$287,985.
- NOAA, National Ocean Service The Alliance for Coastal Technologies: National-Scale Efforts Toward Verification and Validation of Observing Technologies. Co-PI, 2016-2018, \$216,000.
- Louisiana Sea Grant, Investigating the Potential Impacts of Restoration Activities on Phytoplankton Communities in the Atchafalaya-Vermilion Bay System (Graduate Assistantship). PI, 2016-2018, \$70,000.
- 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.

Villinger, Francois

- 1R01MH125395 MPIs Drs Philip Santangelo and Francois Villinger. Agency: NIH/MH. Identification of SIV replication and reservoirs in the CNS. \$4,121,374 Period: 2020 - 2025.
- 1R01AI155007 MPIs Drs Philip Santangelo and Francois Villinger. Agency: NIH/NIAID. Durable vaginal protection from HIV via mRNA expression of bnAbs. \$2,334,980. Period: 2020 - 2025
- 2R44 AI129106 Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Keith Wycoff (Planet Biology). Agency NIH/NIAID. An Immunotherapeutic to prevent gonorrhea. 2020 – 2022, \$211,745
- R01AI143457 Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Roger Keith Reeves (Beth Israel Deaconess Medical Center). Agency NIH/NIAID. Mechanisms of Natural Killer Cell Clearance of SIV from Lymphoid Follicles. 2020 – 2021. \$155,185
- R01AI111907 PI: Dr. Francois Villinger. Agency: NIH/NIAID. Whole body to single cell analysis of the HIV reservoir. 2018-2023. \$3,740,446
- Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Bali Pulendran. Agency: GATES Foundation. Malaria. 2018-2019. \$1,185,163
- 1 P01 AI131346-01 Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Richard D'Aquila (Northwestern U). Pathogenesis of Rebound SIV/HIV Viremia after Antiretroviral Therapy. Period: 2017-2022. \$1,345,000
- AMFAR 109541-61-RGRL Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Keith Jerome (U of Washington). Targeted nanocarriers to accelerate depletion of the HIV Reservoir. 2017-2021. \$800,000
- FNIH VILL17HETIL. Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. George Pavlakis (NCI). Efficacy of Heterodimeric IL-15 Treatment Regimens in Reducing SIV Reservoir. 2017-2019. \$1,325,730
- R01 AI112558. Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Nichole Klatt (UW Seattle). SIV/HIV infection in adolescents. 2017-2019. \$1,088,912
- CONRAD contract PI: Dr. Francois Villinger. Agency: USAID. Testing antiretroviral (ARV) drugs in nonhuman primates HIV prophylactic efficacy models. Period: July 1, 2017 to June 30, 2018
- 5R01 AI112002-04 Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Kim Woodrow (U of Washington). Combination HIV prevention in drug-eluting fibers: Designing for efficacy and use. 2017-2018. \$591,355
- Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. John Moore. Agency: GATES Foundation. Mixed generation SOSIP.664-trimer based vaccines. 2016-2019. \$1,374,099
- R01 AG047711 MPIs, Dr. Savita Pahwa and Francois Villinger. Agency: NIH/NIAID. Antibody responses in aging SIV infected monkeys. Period: 2015-2020, \$2,334,980
- U19 AI113127 Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Craig Hendrix (Johns Hopkins U). Agency: NIH/NIAID. Development of Rectal Enema As a Microbicide (DREAM). 2014-2020. \$2,543,623
- R01AI111907 PI: Dr. Francois Villinger. Agency: NIH/NIAID. Monitoring SIV Reservoirs with Whole Body ImmunoPET. 2014-2020. \$3,533,947

- R01 AI111863 Co-investigator, Dr. Francois Villinger, Principal Investigator: Dr. Paul Spearman. Agency: NIH/NIAID. Mucosal Protection Against HIV Generated by PIV5. April 10, 2014-2019. \$802,713
- 1U19AI096398 Project 5 PI: Dr. Francois Villinger, Program Principal Investigator: Dr. Deborah Anderson. Agency NIH/NIAID Program project grant. Monoclonal antibody based Multipurpose Microbicides: Project 5 Preclinical Evaluation in Nonhuman Primates. 2011-2018 \$1,500,001
- R24OD010947 P.I. and Director. Agency: NIH/NCRR (now ORIP). "Resource for nonhuman primate Immune Reagents". Award type: R24. 2002-2019 \$925,000.

Wang, Yi-Hong

- The McIlhenny Company. Development of DNA Markers to Detect Genetic Impurities in Tabasco® Products, PI, 2017-2018, \$29,984.
- 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.

Graduate Student Production

Ph.D. Students

Student name	Advisor	Year of Graduation
Savage, Andrew	Felgenhauer	2020
Kascak, Alex	Klerks & France	2020
Pant, Anita	Mopper	2020
James, W Ryan	Nelson	2020
Bernt, Maxwell	Albert	2019
Craig, Jack	Albert	2019
Kim, Lesley	Albert	2019
Waltz, Brandon	Albert	2019
Luo, Lujun	Chistoserdov & Xu	2019
Ajala (Pandita), Chitra	Hasenstein	2019
Jackson, Marques	Smith	2019
Costa, Ana Paula	Rosel/France	2018
Deb Adhikary, Nihar	Chistoserdov	2018
Gundlach, Katrina	Watson	2018
Hauser, Samantha	Leberg	2018
Jones, Scott	Hester	2018
Menard, Shelcie	Watson	2018
Venera Ponton, Dagoberto	Fredericq	2018
Yando, Erik	Hester	2018
John, Susan	Hasenstein	2017
Jones, Landon	Leberg	2017

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

MS Students (Thesis) who graduated

Student name	Advisor	Year of Graduation
	Cassin-Sackett &	
Joubran, Sydni	Leberg	2020
Coneglio, Joshua	Ennis	2020
Pratt, Abigail	France	2020
Walling, Lauren	France	2020
Harris, Mason	Nelson	2020
Selle, Christin	Robinson	2020
Chukwudozie, Chukwunonso	Villinger	2020
Arabie, Daniel	Deaton	2019
Baker, Brady	Kulkarni	2019
Behringer, David	Nelson	2019
Cain, Terri	Smith	2019
Pathare, Mrunmayee	Stauffer	2019
Alford, Scott	Rozas	2018
Babitch, Jaylyn	Stauffer	2018
Barron, Elizabeth	Moon	2018
McCoy (McLemore), Meagan	Hester	2018
Saltamachia, Stephen	Fredericq	2018
Fontenont, Christopher	Duke-Sylvester	2017
Franco, Marco	Klerks	2017
Hucks, Katrina	Leberg	2017
Collette, Jantzen	Smith	2017
Foret, Brittany	Smith	2017
Shirreff, Lisa	Ennis	2016
Pecnik, Simon	Felder	2016

Karmacharya, Binab	Duke-Sylvester	2015
Mathai, Reyna	Duke-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

MS Students (non-thesis) who graduated

<u>Student name</u>	<u>Advisor</u>	<u>Year of Graduation</u>
Chatman, Zoe	Kulkarni	2020
Phearse, Andre	Kulkarni	2020
Leblanc, Megan	Mire	2018
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

Other

External Awards/Honors

Albert, James

- STEM Research Exemplar. The Research Exemplar Project. Washington University School of Medicine. 2017.
- Patronym of a new species of electric fish *Brachyhypopomus alberti* (Crampton et al. 2016). 2016
- Patronym of a new species of armored catfish *Hisonotus alberti* (Roxo et al. 2016). 2016.

Cassin-Sackett, Loren

- Research Associate, National Zoological Park Center for Conservation Genomics, Smithsonian Institution, 2016-Present

Ding, Baojin

- DoD Peer Reviewed Medical Research Program (PRMRP) Discovery Award. 2020

Fredericq, Suzanne

- Elected Member, Board of Directors of the International Phycological Society, 2016-2019.
- Naming of red algal species in my honor, *Gracilaria suzannae*, 2018.
- Appointment: Temporary Member of the Graduate Faculty of The University of Alabama, 2015-2018.
- Research Associate, Museum of Natural History, Smithsonian Institution, 2009-Present
- NOAA Cadre of Algologists expert, 2008-Present.

Hasenstein, Karl

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

Krayesky, Sherry

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

McClain, Craig

- Ocean Exploration Meeting. Massachusetts Institute of Technology, Boston, MA | Organizer: Katy Croff Bell 2020
- ORD Camp. Google Campus, Chicago, IL 2020
- Writing Team Member for the Second World Ocean Assessment. 2019 -
- Consortium for Ocean Leadership Fall Meeting. Panel on the Future of Ocean Infrastructure. COL, Washington, D.C., Organizer: Jonathan White
- GoMRI Synthesis and Legacy Workshop: Core Area 3: Vulnerability and Resilience of Species and Ecosystems to Large-Scale Contamination Events: Lessons from Deepwater Horizon. Washington, D.C., Organizer: GoMRI 2020

Povinelli, Daniel

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

Robinson, Kelly

- Sci Foo Participant, Google-X, Nature, & O'Reilly Media, 2018
- LA DIA Fellow, Louisiana Sea Grant College Program, 2017-2018.
- ICaWR Fellow, Institute of Coastal and Water Research, 2017-Present.

Ruprecht, Ruth

- Member, National Advisory Dental and Craniofacial Research Council, NIH (ad hoc) September 10, 2020
- Member, Scientific Advisory Board, National Cancer Institute (NCI), NIH, Vaccine Program, 2007 to present

Stauffer, Beth

- National Academies of Science, Engineering, and Medicine Gulf Research Program Early Career Research Fellow, 2018-2020
- LA DIA Fellow, Louisiana Sea Grant College Program, 2016-2017.
- Early Career Travel Award, ASLO Summer Meeting, 2016.

Professional Society Offices Held**Albert, James**

- Coordinator, Symposium on Parametric Biogeography, Society Study of Evolution, 2014-2015.
- International Committee, Society for the Study of Evolution, 2014-2015.
- Local committee, 2016 ASIH meetings, New Orleans, 2014-2015.
- ASIH Committee to Review Guidelines for Use of Fishes in Research, 2012-2014.

Deaton, Lewis

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

Fredericq, Suzanne

- Member, Phycological Society of America Outreach Committee Member, 2011-Present.
- Elected Editorial Board Member, Journal of Phycology. 2017-2020.
- Elected Member, Board of Directors of the International Phycological Society, 2016-2019-
- Scientific Committee Member, 5th International Rhodolith Workshop, San José, Costa Rica, 2015.
- Member of Communication Committee, Phycological Society of America, 2011-2015.

Kane, Emily

- Secretary, Society for Integrative and Comparative Biology Division of Comparative Biomechanics, 2020-2022

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.

Kulkarni, Ritwij

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

McClain, Craig

- Past President for Deep-Sea Biology Society | 2016-2020
- Smithsonian Environmental Research Center's Professional Accomplishment Evaluation Committee (PAEC) | 2020-
- Writing Team Member for the Second World Ocean Assessment | 2019 -
- Deep-Sea Exploration Strategic Task Force | 2019-

Nelson, James

- LA DIA Fellow, Louisiana Sea Grant College Program, 2016-2017.
- Coastal and Estuarine Research Federation Membership Council 2017.

Robinson, Kelly

- Member, Yentsch-Schindler Early Career Award Subcommittee of the Awards and Citations Committee, Association for the Sciences of Limnology & Oceanography

Stauffer, Beth

- Member, HARNNESS Update Committee, National Harmful Algal Bloom (HAB) Committee 2020-present
- Chair, Meetings Committee, Association for the Sciences of Limnology & Oceanography Board, 2020-present
- Member-Elect, Association for the Sciences of Limnology & Oceanography Board, 2019-present
- Ruth Patrick Award Committee Member, Association for the Sciences of Limnology & Oceanography, 2016-2019.

Journal Editorship

Albert, James

- Editorial Board, Animals (ISSN 2076-2615)
- Editorial Board, Water (ISSN 2073-4441)
- Editorial Review Board, BMC Evolutionary Biology 2019 – present.
- Editorial Review Board, Journal of Biogeography 2018-Present.
- Editorial Board, Copeia / Ichthyology and Herpetology 2018-Present.
- Book Review Editor, Systematic Biology 2016-Present.
- Associate Editor, Systematic Biology, 2015-2016.

Chistoserdov, Andrei

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

Ding, Baojin

- Editorial Board member, American Journal of Psychiatry and Neuroscience (AJPN), 2020-present.
- Associate Editor, Frontiers in Molecular Neuroscience, 2018 – present.

- Editorial Board member, Austin Neurology, 2016 – present.
- Editorial Board member, Journal of Down Syndrome & Chromosome Abnormalities, 2015 – present.

Fredericq, Suzanne

- Editorial Board Member, Arquipelago: Life and Marine Sciences, 2020-2023.
- Editorial Board Member, Journal of Phycology, 2017-2020.
- Board Member, International Phycological Society, 2017-2019

Hasenstein, Karl

- Associate Editor: 'Plants' 2020 - present
- Associate Editor: Advances in Space Research, 2006-2016.
- Associate Editor: Advances in Botany 2014-2016.
- Associate Editor: Advances in Life Sciences Research 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, January 2009–2013. Consulting editor 2013–present.

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.

Villinger, Francois

- Associate Editor, Frontiers in Virology, 2018-Present.
- Associate Editor, Experimental Biology, 2018-Present.

Other Major Professional Activities

Cassin-Sackett, Loren

- Invited attendee at NSF Research Coordination Network, Metamodels for the study of dynamic biological systems, Yulee, FL, 2018.
- Invited guest, Science For The People podcast, 2018

Ennis, Don

- Organizer & Scientific Coordinator, The Southern Coast Mycobacterial Work Shop & The American Society for Microbiology (LA, TX, MS, TN), Supported in part by UL College of Sciences, Lafayette, LA, October 19-20, 2018.
- 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.

France, Scott

- Science Advisor to NOAA Office of Ocean Exploration & Research Okeanos Explorer program, ASPIRE Campaign, 2019-21.
- Science Advisor to NOAA Office of Ocean Exploration & Research Okeanos Explorer program, 2017-2018.
- Science Lead, NOAA Ship Okeanos Explorer expedition "Mountains in the Deep: Exploring the Central Pacific Basin EX1705" providing on-air expertise and commentary for live streaming video (April 27-May 19), organized by NOAA Office of Ocean Exploration, 2017.
- 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 (September 12-30), organized by NOAA Office of Ocean Exploration, 2015.

Fredericq, Suzanne

- Re-appointment: Smithsonian Institution Research Associate, 2020-2023
- Senior Scientist, NOAA R/V Manta expedition to FGBNMS, 2019
- Senior Scientist, R/V Pelican expedition to NW Gulf of Mexico, 2019
- Senior Scientist, NOAA R/V Manta expedition to FGBNMS, 2018

- Senior Scientist, R/V Pelican expedition to NW Gulf of Mexico, 2018
- Re-appointment: Smithsonian Institution Research Associate 2016-2019.
- Appointment: Temporary Member of the Graduate Faculty of The University of Alabama 2015-2018.

Genung, Mark

- Invited Speaker, Acadiana Native Plant Project, 2019

Hasenstein, Karl

- NSERC review and panel member. Ottawa, Canada, 2015, 2016, 2017, 2018.
- Main Scientific Organizer. COSPAR section F1.1 Moscow, Russia, 2014.

Kane, Emily

- Outreach associate, *Integrative Organismal Biology*, wrote 1 blog post to highlight a recently published article 2020

Kooyers, Nicholas

- Walking with Wildflowers: Citizen Science along the Pacific Crest Trail. AAAS Public Engagement Reflections Blog.

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.

McClain, Craig

- Government Activities/Economic Development & Infrastructure | Virtual, Baton Rouge, LA 2020
- Baton Rouge Press Club Meeting | Baton Rouge, LA, 2019
- Bayou Industrial Group Luncheon | Thibodaux, LA, 2019
- Leadership Terrebonne | Houma, LA, 2019
- Board of Regents Board Meeting | Baton Rouge, LA, 2019
- Louisiana Community & Technical College System | Baton Rouge, LA, 2019
- Board of Regents Leadership Retreat | Chauvin, LA, 2019

Moon, Brad

- Conference Organizer. Ernest A. Liner Louisiana Herpetology Conference, 2016.
- Invited member of Reptile and Amphibian Task Force. Louisiana Department of Wildlife and Fisheries, 2012-Present.

Povinelli, Daniel

- Established at touring production of the original play, *Confessions of a Former Monkey Mind Doctor*, Acadiana Center for the Arts, Oct 5-6, 2019
- Visiting Professor, Program in Rehabilitation Neuroscience, Washington University School of Medicine 2015-16
- Understanding Human Cognition Advisory Board, James S. McDonnell Foundation, 2016-present.
- Special Advisor to the President, James S. McDonnell Foundation, 2014-2016.

Robinson, Kelly

- Regional Expert. "Oceans". Netflix/Wild Space Productions. In pre-production. <https://deadline.com/2019/07/netflix-oceans-freeborne-media-1202646815/>
- Board Member, Do It Greener Foundation, Lafayette, La. (Charter 43935176N) Session Co-Chair, 2020 Gulf of Mexico Oil Spill & Ecosystem Science Meeting, Tampa, FL USA
- Invited Participant. Gulf of Mexico Research Initiative Core Area 3 Synthesis Workshop II. Washington D.C., USA Oct 2019
- Invited Participant. Gulf of Mexico Research Initiative Core Area 3 Synthesis Workshop I. St. Petersburg, FL USA July 2019
- Invited Participant. National Science Foundation Ecosystem Response to Hurricanes Synthesis Workshop. Corpus Christi, TX USA April 2019
- *R/V Pelican* Replacement Vessel Science Oversight Committee Member, LUMCON 2018-Present.
- Reviewer, Israeli Ministry of Science and Technology, 2018
- Interviewee. "Q&A Kelly Robinson: Sample archive serves as a plankton ecologist's rainy-day fund" *Nature Index*. By Jeffrey Perkel. November 22, 2018
- Interviewee. "Machine learning gets to grips with plankton challenge." Nature ToolBox Article by Jeffrey Perkel. September, 24 2018.
- Commentator. Science News article by Maria Temming for a Science Robotics paper. July 19, 2018
- Academic expert. "Human Impacts Interactive Exhibit." Shreveport Aquarium.
- Interviewee, *Ecosystems*. Documentary Film, Directed by Katherine Quigley. Learning Design Group. University of California at Berkeley. October 12-13, 2016. Subject matter: jellyfish blooms and their role in marine ecosystems.
- Guy, Allison. Jellyfish emerge as unlikely allies in the fight to end overfishing. Oceana. September 6, 2016.

Schmidt, Will

- Grants-in-Aid of Research Committee Member, Phycological Society of America, Continued Appointment, 2016, 2017.

Stauffer, Beth

- Organizer & Facilitator, ACT eDNA Workshop series (virtual), 2020
- Member, Louisiana Percent for Art Selection Committee for LUMCON Blue Works, 2020-present
- Invited presenter and participant, NOAA Ocean Acidification & Harmful Algal Blooms: Defining a Research Agenda, Virtual Webinar and Workshop, Jul-Aug 2020.
- Technical Contributor: Barbero, L, C Kelble, D Perrot, R Wanninkhof (Technical contributors: A Schnetzer, B Stauffer). 2019. Southeast Atlantic and Gulf of Mexico Region Ocean Acidification Research Plan. National Oceanic and Atmospheric Administration, <https://oceanacidification.noaa.gov/ResearchPlan2020.aspx>.
- Invited participant, Ecosystem Responses to Hurricanes Synthesis Workshop, Texas A&M Corpus Christi, April 2019
- Session organizer, “Effects of Storm Events on Aquatic, Coastal, and Oceanic Environments and Ecosystems,” ASLO Aquatic Sciences Meeting, San Juan, Puerto Rico, Feb 2019
- Founder and Organizer, Science on the Bayou, informal science communication events in Lafayette, LA, 2016-Present.
- Steering Committee for Alliance for Coastal Technologies (ACT) workshop on Sensors for Monitoring Harmful Algae, Cyanobacteria and Their Toxins, 2017-2018
- Panel Reviewer, NOAA ECOHAB program, 2017
- Session co-organizer, Scales of variability in aquatic environments: are some more important than others? ASLO Aquatic Sciences Meeting, Honolulu, HI, 2017.
- 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.

Villinger, Francois

- Member of Scientific Review Committee for the 37th Annual Nonhuman Primate Models for AIDS Symposium (San Antonio, TX, November 2019).
- Co organizer of the NIH symposium on “Current Status and Future Enhancements to Animal Models for AIDS Research” (September 23-24, 2019, Bethesda MD)

Wang, Yi-Hong

- Patent filed (on June 2, 2020): Title: A Pleiotropic Gene that Increases Biomass and Sugar Yield in Sorghum and Sugarcane. Inventors: Yi-Hong Wang, Jieqin Li, Hari D. Upadhyaya,

Chudamani Sharma Prakash, Lihua Wang, Yanlong Liu, Li Gao, K. Seetharam, CLL Gowda, K. Ganesamurthy, Shailesh Kumar Singh. Filed by Jessica Engler, patent attorney from Kean Miller law firm through UL's Office of Innovation Management: Noah Bergeron, C. Dean Domingue. 2020