

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 2019, the department has 28 professorial faculty members, 6 emeritus faculty members, and 7 instructors. Almost all professorial faculty members are active in research and serve as graduate faculty. 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 since 2013. 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 2013 through 2018, the Department of Biology has secured over 16 million dollars of new research funding (the total number of dollars associated with these grants, which are often multi-institutional, is considerably higher).

Publications

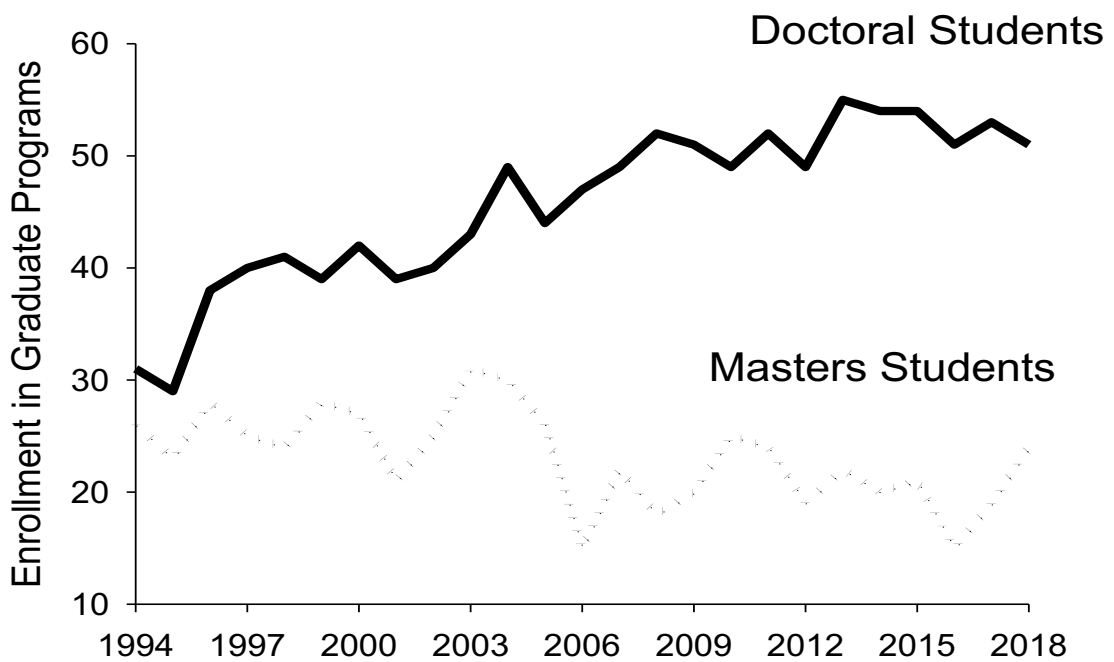
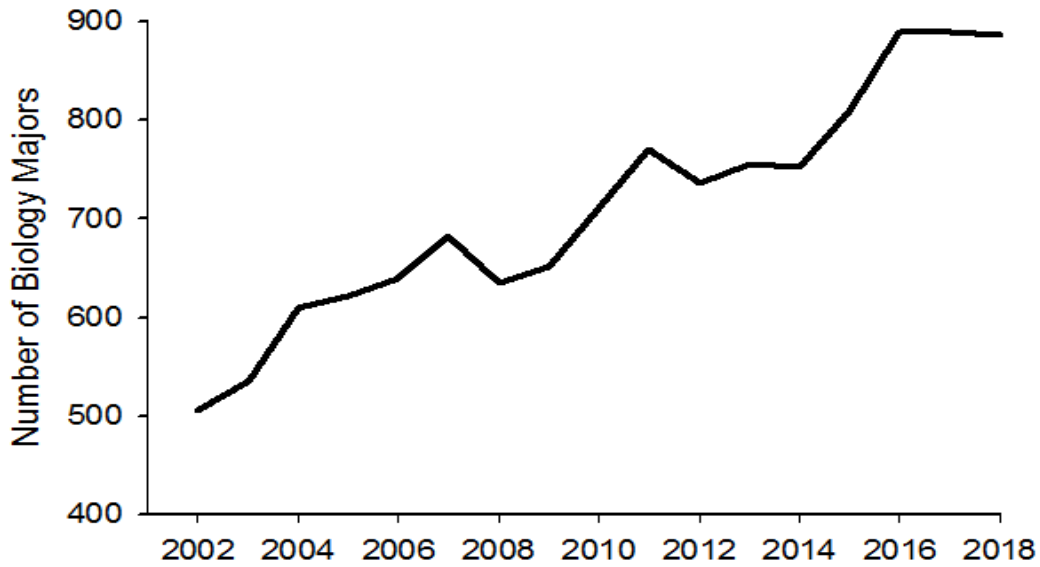
The faculty has a strong record of publication, with 279 papers published in peer-reviewed journals in the last 5 years. An additional 30 papers were published in conference proceedings or other edited volumes.

Other Accomplishments

Other notable accomplishments between 2013 and 2018 include faculty authorship of five books and edited volumes. Faculty members have served as editors, associate editors, or editorial board members for 21 different journals or as members of 34 society boards or grant review panels. They presented 107 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, while at record numbers, has been flat for the last 3 Falls.



The department has a Ph.D. program in Environmental and Evolutionary Biology (established in 1983), an M.S. program in Biology. In Fall 2018, we had 24 M.S. students and 51 doctoral students. Enrollment has been fairly steady in both programs, but we hope to see increases associated with recent faculty hires.

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, 30 students have received doctoral degrees in Environmental and Evolutionary Biology. During the same time period, 30 students have received MS degrees.

Publications, Presentations, Editorships, and Talks

Books Published

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

Edited Volumes

- 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
- **Wang, Y.-H.**, Upadhyaya, H. D., & Kole, C. (eds). (2014). *Genetics, Genomics and Breeding of Sorghum*. Boca Raton, FL: CRC Press. ISBN: 978-1-48221-008-8

Journal Papers (Published)

1. Yando, E.S., Osland, M.J., & **Hester, M.W.** (2018). Microspatial ecotone dynamics at a shifting range limit: plant-soil variation across salt marsh-mangrove interfaces. *Oecologia* **187**(1), 319-331. doi:10.1007/s00442-018-4098-2
2. Thirumal, V., **Chistoserdov, A.**, Bajpai, R., Bader, J., Popović, M. & Subramaniam, R. (2018). Effect of developed low cost minimal medium on lipid and exopolysaccharide production by *Lipomyces starkeyi* under repeated feed-batch and continuous cultivation. *Chemical and Biochemical Engineering Quarterly*, **32**(4), 473-481. doi:10.15255/CABEQ.2018.1389
3. Subramaniam, R., Thirumal, V., **Chistoserdov, A.**, Bajpai, R., Bader, J. & Popović, M. (2018). High density cultivation in the production of microbial products. *Chemical and Biochemical Engineering Quarterly*, **32**(4), 451-464. doi:10.15255/CABEQ.2018.1394
4. **Smith, K.M.** (2018). Hyperactivity in mice lacking one allele of the glutamic acid decarboxylase 67 gene. *ADHD Attention Deficit and Hyperactivity Disorders*, **10**(4), 267-271. doi:10.1007/s12402-018-0254-0
5. Sindberg, G.M., Callen, S.E., Banerjee, S., Meng, J., Hale, V.L., Hegde, R., Cheney, P.D., **Villinger, F.**, Roy, S., Buch, S. (2018). Morphine Potentiates Dysbiotic Microbial and Metabolic Shifts in Acute SIV Infection. *Journal of Neuroimmune Pharmacology*, **14**(2), 200-214. doi:10.1007/s11481-018-9805-6
6. **Sigel, E.M.**, Schuettpelz, E., Pryer, K.M., & Der, J.P. (2018). Overlapping patterns of gene expression between gametophyte and sporophyte phases in the fern *Polypodium amorphum* (Polypodiales). *Frontiers in Plant Sciences*, **9**, 1450. doi:10.3389/fpls.2018.01450
7. Sauvage, T., **Plouviez, S.**, **Schmidt, W.E.**, & **Fredericq, S.** (2018). TREE2FASTA: A flexible Perl script for batch extraction of FASTA sequences from exploratory phylogenetic trees. *BMC Research Notes*, **11**, 164. doi:10.1186/s13104-018-3268-y
8. Richards, J.L., & **Fredericq, S.** (2018). *Sporolithon sinusmexicanum* sp. nov. (Sporolithales, Rhodophyta): a new rhodolith-forming species from deepwater rhodolith beds in the Gulf of Mexico. *Phytotaxa*, **350**(2), 135-146.

- doi:10.11646/phytotaxa.350.2.2
9. Ramasamy, V., Arora, U., Shukla, R., Poddar, A., Shanmugam, R.K., White, L.J., Mattocks, M.M., Raut, R., Perween, A., Tyagi, P., de Silva, A.M., Bhaumik, S.K., Kaja, M.K., **Villinger, F.**, Ahmed, R., Johnston, R.E., Swaminathan, S., Khanna, N. (2018). A tetravalent virus-like particle vaccine designed to display domain III of dengue envelope proteins induces multi-serotype neutralizing antibodies in mice and macaques which confer protection against antibody dependent enhancement in AG129 mice. *PLOS Neglected Tropical Diseases*, **12**(1), e0006191. doi:10.1371/journal.pntd.0006191
 10. **Pesacreta, T.C., Hasenstein, K.H.** (2018). Tissue accumulation patterns and concentrations of potassium, phosphorus, and carboxyfluorescein translocated from pine seed to the root. *Planta*, **248**(2), 393-407. doi:10.1007/s00425-018-2897-7
 11. Nawaz, F., Goes, L.R., Ray, J.C., Olowojesiku, R., Sajani, A., Ansari, A.A., Perrone, I., Hiatt, J., Van Ryk, D., Wei, D., Waliszewski, M., Soares, M.A., Jelacic, K., Connors, M., Migueles, S.A., Martinelli, E., **Villinger, F.**, Cicala, C., Fauci, A.S., Arthos, J. (2018). MAdCAM costimulation through Integrin- $\alpha_4\beta_7$ promotes HIV replication. *Mucosal Immunology*, **11**, 1342-1351. doi:10.1038/s41385-018-0044-1
 12. Mueck, K., **Deaton, L.E.**, Lee, A., & Guilbeaux, T. (2018). Physiology of the apple snail *Pomacea maculata*: aestivation and overland dispersal. *Biological Bulletin*, **235**, 43-51. doi:10.1086/698817
 13. Li, F.W., Brouwer, P., Carretero-Paulet, L., Cheng, S., De Vries, J., Delaux, P.M., Eily, A., Koppers, N., Kuo, L.Y., Li, Z., Simenc, M., **Sigel, E.M.** & Pryer, K.M. (2018). Fern genomes elucidate land plant evolution and cyanobacterial symbioses. *Nature Plants*, **4**, 460-472. doi:10.1038/s41477-018-0188-8
 14. Lertjuthaporn, S., Cicala, C., Van Ryk, D., Liu, M., Yolitz, J., Wei, D., Nawaz, F., Doyle, A., Horowitz, B., Park, C., Lu, S., Lou, Y., Wang, S., Pan, R., Jiang, X., **Villinger, F.**, Byrareddy, S.N., Santangelo, P.J., Morris, L., Wibmer, C.K., Biris, K., Mason, R.D., Gorman, J., Hiatt, J., Martinelli, E., Roederer, M., Fujikawa, D., Gorini, G., Franchini, G., Arakelyan, A., Ansari, A.A., Pattanapanyasat, K., Kong, X.P., Fauci, A.S., Arthos, J. (2018). Select gp120 V2 domain specific antibodies derived from HIV and SIV infection and vaccination inhibit gp120 binding to $\alpha_4\beta_7$. *PLOS Pathogens*, **14**(8), e1007278. doi:10.1371/journal.ppat.1007278
 15. Lee, J., Song, H.J., Park, S.I., Lee, Y.M., Jeong, S.Y., Cho, T.O., Kim, J.H., Choi, H.-G., Choi, C.G., Nelson, W.A., **Fredericq, S.**, Bhattacharya, D., & Yoon, H.S. (2018). Mitochondrial and Plastid Genomes from Coralline Red Algae Provide Insights into the Incongruent Evolutionary Histories of Organelles. *Genome Biology and Evolution*, **10**(11), 2961-2972. doi:10.1093/gbe/evy222
 16. **Kooyers, N.J.**, Bakken B.H., Ungerer M.C, Olsen K.M. (2018). Freeze-induced cyanide toxicity does not maintain the cyanogenesis polymorphism in white clover (*Trifolium repens*). *American Journal of Botany*, **105**(7), 1224-1231. doi:10.1002/ajb2.1134
 17. **Klerks, P.L.**, Kascak, A., Cazan, A.M., Deb Adhikary, N., **Chistoserdov, A.**, Shaik, A., Osman, S., & **Louka, F.R.** (2018). Effects of the razor clam *Tagelus plebeius* on the fate of petroleum hydrocarbons; a mesocosm experiment. *Archives of Environmental Contamination and Toxicology*, **75**(2), 306-315. doi:10.1007/s00244-

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27. Feher, L.C., & **Hester, M.W.** (2018). The interactive effects of created salt marsh substrate type, hydrology, and nutrient regime on *Spartina alterniflora* and *Avicennia germinans* productivity and soil development. *Wetlands Ecology and Management*, **26**(4), 715-728. doi:10.1007/s11273-018-9603-1
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29. **Ding, B.**, Dobner, P.R., Mullikin-Kilpatrick, D., Wang, W., Zhu, H., Chow, C.W., Gronostajski, R.M. & Kilpatrick, D.L. (2018). BDNF Activates an NFI-Dependent Neurodevelopmental Timing Program By Sequestering NFATc4. *Molecular Biology*

- of the Cell*, **29**(8), 975-987. doi:10.1091/mbc.E16-08-0595
30. Deoli, N.T., **Hasenstein, K.H.** (2018). Irradiation effects of MeV protons on dry and hydrated *Brassica rapa* seeds. *Life Sciences in Space Research*, **19**, 24-30
doi:10.1016/j.lssr.2018.08.004
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- Jin, Q. & **Hasenstein, K.H.** (2013). Development of Antheridial Filaments and Spermatozoid Release in *Chara Contraria*. In: Heimann, K. & Katsaros, C. (eds). *Advances in Algal Cell Biology. Marine and Freshwater Botany*. 161-176. Berlin, Germany: de Gruyter.

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- **Poudel, D. D.**, Thakur, R.P., **Duex, E.T.**, **Blakewood, G.**, Singh, A.A., **DeRamus, A.**, Chapagain, E.B., Acharya, F.K., Adhikari, G.S., Gramling, F.R.B., & Sharma, N. (2013). Adapting Livestock Production Systems to Climate Change. Nepal: Challenges and Opportunities. In: Michalk, D.L. (ed). *Revitalizing Grasslands to Sustain our Communities: Proceedings, 22nd International Grassland Congress, Sydney, Australia, September 15-19, 2013*. 1362-1367. Orange, NSW, Australia: New South Wales Department of Primary Industry

Plenary and Keynote Presentations

Albert, James

- 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.
- *Origins of Fish Biodiversity in the Amazon*. University of Central Florida, Department of Biology. Orlando, FL, 2014.
- *Barrier (not Areas) Constrain Diversification in Continental Biotas*. Southeastern Louisiana University. Hammond, LA, 2014.
- *A Field Guide to the Genera of Amazonian Fishes*. Londrina, Brazil, 2014.
- Department of Biological and Environmental Sciences, University of Gothenburg. Gothenburg, Sweden, 2013.
- Universidade Estadual Paulista, Instituto de Biociências. Botucatu, São Paulo, Brazil, 2013.
- XII Congreso Colombiano De Ictiología, Keynote address. Bogotá, Colombia, 2013.
- *Biogeografia de peixes Neotropicais*. Brazilian Ichthyological Society. Maringá, Brazil, 2013.

Cassin-Sackett, Loren

- Louisiana State University Museum of Natural Science, Baton Rouge, LA, 2018.

Duke-Sylvester, Scott

- Baton Rouge Audubon Society Meeting. Baton Rouge, LA, 2017.
- American Geophysical Union Fall Meeting. New Orleans, LA, 2017.
- LSU Department of Renewable Resources. Baton Rouge, LA, 2013.

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.
- 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.

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

- 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.
- LSU Baton Rouge. 2014.
- Gulf of Mexico Oil Spill and Ecosystem Science Conference. Mobile, AL, 2014.
- Chosun University. Gwangju, South Korea, 2013.
- Gulf of Mexico Oil Spill and Ecosystem Science Conference. New Orleans, LA, 2013.

Hasenstein, Karl

- *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.
- *Anaerobic Metabolism in Brassica Seedlings*. Council of Space Research (COSPAR). Moscow, Russia 2014.
- Invited Plenary Speaker, University of Mississippi. Oxford, MS, 2013.
- Northeast Forestry University. Harbin, China, 2013.

Hester, Mark

- *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.

Klerks, Paul

- LSU College of the Coast and Environment. Baton Rouge, LA, 2017.
- Institute of Applied Ecology, Chinese Academy of Sciences. Shenyang, China, 2014.

Kooyers, Nicholas

- *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

- *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.
- Savannah River Ecology Lab. Aiken, SC, 2013.

Moon, Brad

- Austin Herpetological Society. Austin, TX, 2016.
- Austin Herpetological Society. Austin, TX, 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.

Nelson, James

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

Pesacreta, Thomas

- University of Southeastern Louisiana. Hammond, LA, 2013

Povinelli, Daniel

- *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-Founded 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.
- Bard College. Annandale-on-Hudson, NY, 2013.
- University of Missouri. Columbia, MO, 2013.
- Departments of Anthropology, Psychology and Philosophy, University of Texas at El Paso. EL Paso, TX, 2013.
- Department of Psychiatry, Washington University, St. Louis, MO, 2013.
- UCSD/Salk Institute, CARTA symposium [Broadcast on UCSD Television]. La Jolla, CA, 2013.

Smith, Karen M.

- *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

- *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.

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.

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.

Ding, Baojin

- 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.
- 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.

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”, 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. Suzanne Fredericq (PI) and **Sherry Krayesky-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.
- 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.
- 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.
- 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

- 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.
- 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

- 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.
- CITY OF BROUSSARD, LOUISIANA. Assimilation Wetland Ecological Monitoring Services. Co-PI (**T. Sloey PI**) 2018-2021. \$223,003.
- 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.
- 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. 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.

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.
- 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.

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.

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 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.
- 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.

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.
- National Science Foundation. Mechanics and energetics of muscle-tendon systems. PI, 2008-2013, \$284,015.

Nelson, James

- 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.

Povinelli, Daniel

- McDonnell Center for Systems Neuroscience, New Resource Proposal. Washington University School of Medicine in St. Louis, Co-PI, 2015, \$40,000.

Robinson, Kelly

- 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 M.

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

Stauffer, Beth

- 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, Terrebonne 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

- 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
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
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

MS Students (Thesis) who graduated

Student name	Advisor	Year of Graduation
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
Hazra, Suchandra	Chistoserdov	2014
Cheramie, Martin	Ennis	2014
Yando, Erik	Hester	2014
Satbhai, Kruuttika	Klerks	2014
Kumar, Manoj	Pesacreta	2013

MS Students (non-thesis) who graduated

Student name	Advisor	Year of Graduation
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.

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 Assesment 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.

Fredericq, Suzanne

- Research Associate, Museum of Natural History, Smithsonian Institution, 2009-Present
- NOAA Cadre of Algologists expert, 2008-Present.
- Patronym of new red algal genus, *Fredericqia*, 2013.

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.

Krayesky, Sherry

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

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.

Sigel, Erin

- LA DIA Fellow, Louisiana Sea Grant College Program, 2017.

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.

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.

Fredericq, Suzanne

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

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.

Nelson, James

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

Stauffer, Beth

- Ruth Patrick Award Committee Member, Association for the Sciences of Limnology & Oceanography, 2016-2019.

Journal Editorship

Albert, James

- Editorial Review Board, Journal of Biogeography 2018-Present.
- Editorial Board, Copeia 2018-Present.
- Book Review Editor, Systematic Biology 2016-Present.
- 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.

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-Present.
- Editorial Board member, Journal of Experimental Marine Biology and Ecology, 2008-2016.

Ding, Baojin

- 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, Journal of Phycology, 2017-2020.
- Board Member, International Phycological Society, 2017-2019

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

- Editor, Environmental Toxicology and Chemistry, 2019-2023.
- 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.

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 M.

- 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

Albert, James

- Instructor for short course, Pontifica Universidad Javeriana, Bogota, Colombia, 2013.

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

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.

Duke-Sylvester, Scott

- Workshop instructor. Integrating GIS and Agent Based Modeling: A practical examination. The Third Siyacabanga Workshop on Ticks and Tick Borne Diseases. University of KwaZulu-Natal. November 26-28, 2018.
- 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

- 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, 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.
- 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 (September 18-October 6), organized by NOAA Office of Ocean Exploration, 2014.

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.

Griffard, Phyllis Baudoin

- Organizer of Usher Syndrome Family Symposium, Lafayette LA, March 2018
- Instructor of teacher professional development workshop and student outreach *Foodways: The Science of Cajun Food*. Vermilionville, June 2018
- President, Acadiana Native Plant Project (conservation non-profit), October 2017-Present

Hasenstein, Karl

- NSERC review and panel member. Ottawa, Canada, 2015, 2016, 2017, 2018.
- Main Scientific Organizer. COSPAR section F1.1 Moscow, Russia, 2014.
- Panelist. NASA Flight panel (Chair), 2013.

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.
- USGS/National Wetlands Research Center Brown Marsh Advisory Committee Member, 2009-2015.
- Scientific advisor. Louisiana Region 3 Planning Team, Coast 2050, 2009-2015.
- Member. Women in Wetlands Mentoring Program, Society for Wetland Scientists, 2009-2015.
- Scientific Research Advisory Committee Member. Lake Pontchartrain Basin Foundation, 2009-2015.
- External Doctoral Committee Review Member. Asian Institute for Technology 2009-2015.
- NOAA Lead Scientific Advisor for Coastal Wetland Vegetation Assessment (NRDA) in the aftermath of the Deepwater Horizon Oil Spill, 2010-2013.
- 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.

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.

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.
- Panelist. National Science Foundation, 2013.
- Conference Organizer. Ernest A. Liner Louisiana Herpetology Conference, 2013.

Neigel, Joseph

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

Povinelli, Daniel

- Standing Panel Member, James S. McDonnell Foundation (JSMF), Understanding Human Cognition Advisory Panel, 2017-Present
- Scientific Advisory Board, Review of Philosophy and Psychology, 2014-Present
- Reviewer and Section Chair, JSMF Human Cognition Advisory Panel Meeting, Oxford University, Oxford, UK, 2018
- 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.

Robinson, Kelly

- *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, Psychological Society of America, Continued Appointment, 2016, 2017.

Sigel, Erin

- Acting Director of the University of Louisiana at Lafayette Herbarium (LAF), 2018-Present.

Stauffer, Beth

- 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 the CSS1 ANRS study section on Host-virus interactions, 2015 to present.
- Member, Review Committee NIH ZDE1 NB-18-1 NIDCR Special Emphasis panel, 2018.
- Member, Review Committee NIH ZTR1 CI-4 (01) 1 CTSA Collaborative awards, 2018
- Member, Review Committee NIH ZRG1 AARR-K (59) R, 2018
- Member NIH CFAR Review Committee, 2018