

Valerie A. Derouen Stampley

Coordinator of Outreach and Special Initiatives
College of Science, Office of Diversity and Inclusion
Louisiana State University, 124 Hatcher Hall, Baton Rouge, Louisiana 70803
vderou1@lsu.edu | (225) 578-0135

PROFESSIONAL APPOINTMENTS

Coordinator of Outreach and Special Initiatives, Office of Diversity and Inclusion

College of Science, Louisiana State University, Baton Rouge, LA, 2019-

Manage outreach and student support activities within the College of Science Office of Diversity and Inclusion. Assist the Assistant Dean in developing project plans for grants. Lead event coordination for science outreach, student leadership development, external speakers, staff development, and other related activities. Monitor budget and project spending on accounts within the Office of Diversity and Inclusion. Act as Workday delegate to complete expense reports, expense transactions, spend authorizations, and other operations to support travel, purchasing, expenditures, and operational needs in the office. Manage communications for the office and work with the College of Science Office of Communications to develop and share stories related to diversity and inclusion programs and activities.

Outreach Coordinator, LSU Museum of Natural Science

Louisiana State University, Baton Rouge, LA, 2015-2019

Managed outreach activities including coordinating museum programs, community events, field trips, and collaborations. Maintained the museum website and create content for its social media accounts (Facebook, Twitter, and Instagram). Produced the museum's quarterly newsletter (3/year). Developed science education activities and exhibits. Coordinated and effectively communicated to museum volunteers. Designed promotional materials in accordance with the LSU brand. Reconciled expenses and created spend authorizations for museum faculty and staff in Workday.

Accomplishments:

- Rebooted *Special Saturdays*, a kid's program at the museum, by securing a Charles Lamar Family Foundation grant for \$12,000 (9 events/year; average attendance: 23 kids per event).
- Created and implemented *Night at the Museum*, an open house program for the general public (5 events/per year; average attendance: 66.6 per event).
- Created and implemented a natural history workshop for the Louisiana Master Naturalists of Greater Baton Rouge (2 workshops/year).
- Created and implemented Girls Day/Night at the Museum for 4th-6th grade girls in collaboration with the LSU College of Science (CoS) and LSU CoS Office of Diversity and Inclusion.
- Obtained LSU Student Sustainability Fund grant (\$7,530) to mount 6 iPads in the museum exhibits area as an interactive complement to the habitat dioramas.

Program Coordinator, LSU Chapter of EnvironMentors

Louisiana State University, Baton Rouge, LA, 2012-2014

Recruited faculty mentors and high school students for participation in the program (42 participants/year). Planned and organized weekly meetings, events, and field trips. Prepared and presented environmental and scientific method themed lessons. Prepared evaluation materials to assess effectiveness and efficiency of the program. Managed social media pages (Facebook & Twitter) and program website. Managed EnvironMentors budget. Acquired \$1,000 research grant from the Louisiana Environmental Education Commission to support the program and study its effect on improving environmental literacy among underserved high school students. Served in a working group for reorganizing the National EnvironMentors Operational Model.

RESEARCH APPOINTMENTS

Research Assistant, LSU Museum of Natural Science

Louisiana State University, Baton Rouge, LA, 2011-2014

Extracted, amplified (PCR) and sequenced DNA of various fish species. Constructed phylogenetic trees using Maximum likelihood and Bayesian Methods. Performed divergence time estimation analyses using BEAST.

Research Assistant, LSU Museum of Natural Science

Louisiana State University, Baton Rouge, LA, 2007-2011

Sequenced the CO1 Gene for pocket gophers (*Thomomys spp.*) and their lice (*Geomydoecus spp.* and *Thomomydoecus spp.*). Extracted, amplified (PCR) and sequenced DNA from lice and pocket gophers. Mounted louse specimens on slides. Trapped small mammals on a research expedition to the Chihuahuan Desert in Mexico.

Research Experience for Undergraduates (REU) student

Sam Houston State University, Huntsville, TX, Summer 2009

Documented mating rituals of the bark scorpion (*Centruroides vittatus*) with video recordings. Trapped small mammals and collected scorpions in east and west Texas. Extracted scorpion venom for HPLC (High Performance Liquid Chromatography) analysis. Participated in captive colony care of lab mice.

GRANTS

1. LSU Student Sustainability Fund, "Teaching sustainability through multimedia public exhibits at the Museum of Natural Science." 2016. Award Budget: \$7530.
2. **Charles Lamar Family Foundation**, "Museum Special Saturdays." 2015. Award Budget: \$12,000
3. **NSF Graduate Research Fellowship Program**, "Elucidating the Marine Invasions of Batfishes." 2012. Award Budget: \$42,000 per year up to three years.
4. **Louisiana Environmental Education Commission Research Grant**, "Assessment of Inquiry-based Learning tools to improve environmental literacy among Louisiana's underserved high school students." 2012. Award Budget: \$1000.

PUBLICATIONS AND BOOKS

Peer Reviewed Publications

1. Craig J.M., Carvalho T.P., Chakrabarty P., **Derouen V.**, Ortega H., Petry P., Reis R.E., Tagliacollo V.A., Albert J.S., (2020) Using community phylogenetics to assess phylogenetic structure in the Fitzcarrald region of Western Amazonia. *Neotropical Ichthyology* 18 (2): e200004.
2. Derouen V., Ludt W.B., Ho H.C., Chakrabarty P., (2015) Examining Evolutionary Relationships and Shifts in Depth Preferences in Batfishes (Lophiiformes: Ogcocephalidae). *Molecular Phylogenetics and Evolution* 84: 27-33.

3. Chakrabarty P. and **Derouen, V.** (2012) [Review of] *Fishes: The Animal Answer Guide* by Gene Helfman; Bruce Collette; *Do Fish Sleep? Fascinating Answers to Questions About Fishes* by Judith S. Weis. *Copeia* 2012 (2): 361-361.

Popular Articles Authored

4. Derouen, V.A. 2015. Valerie Derouen defends her thesis & joins the MNS as the new Science Outreach Coordinator. *LSU Museum Quarterly* (LSU Museum of Natural Science) 33 (1): 11.
5. Derouen, V.A. 2011. The undergrad research experience. *LSU Museum Quarterly* (LSU Museum of Natural Science) 29 (1): 15-16.
6. Derouen, V.A. 2008. Jumping into unfamiliar territory. *LSU Museum Quarterly* (LSU Museum of Natural Science) 26 (3): 14.

Books

1. Chakrabarty, P., Warny, S., **Derouen, V.** (2014) *Making a Big Splash with Louisiana Fishes*. Special Publication of the Occasional Papers of the LSUMNS. ISBN: 978-4951-2077-0

PROFESSIONAL PRESENTATIONS

1. Derouen, V.A., Chakrabarty, P. (2018) *Doing more with fish samples than sampling them. Beyond collections at the LSU Museum of Natural Science*. Louisiana Chapter of the American Fisheries Society Meeting. Baton Rouge, LA, May 24.
2. Derouen, V.A., Ludt, W.B., Ho, H.C., Chakrabarty, P (2014) *Phylogeny and Divergence Time Estimation of Batfishes (Lophiiformes: Ogcocephalidae)*. Joint Meeting of Ichthyologists and Herpetologists. Chattanooga, TN, July 31.
3. Peterson, S.N., **Derouen, V.A.**, Powers, J. (2013): *EnvironMentors: mentoring underrepresented high school students in STEM learning*. Coastal and Estuarine Research Federation Biannual conference. November 7.
4. Soule, J, **Derouen, V.A.**, (2013) *Exploring Environmental Mentoring*. EPA Environmental Education in Action Webinar. August 21.
5. Derouen, V.A., Ludt, W.B., Ho, H.C., Chakrabarty, P (2013) *Phylogeny and Divergence Time Estimation of Batfishes (Lophiiformes: Ogcocephalidae)*. Joint Meeting of Ichthyologists and Herpetologists. Albuquerque, NM, July 12.

6. Derouen V.A. (2009) *Sex, Drugs and Centruroides: Courtship, Mating, and Venom Use in Bark Scorpions*. Research Experience for Undergraduates (REU) Symposium at Sam Houston State University, July 25.

PROFESSIONAL ACTIVITIES, MEMBERSHIP, AND SERVICE

- Associate Editor, Occasional Papers of the Museum of Natural Science, 2017-2019
- Alternate Building Coordinator, Murphy J. Foster Hall, Louisiana State University, 2016- 2019
- Emcee for Environmentors National Fair Awards Ceremony, June 2016
- Advisory Board Member for the National EnvironMentors Program, 2015-2016
- Spoke to middle school girls about pursuing STEM careers and presented fish specimens, East Feliciana Middle School, November 13, 2014
- Volunteered at *Wild Things*, U.S. Fish and Wildlife Service, October 18, 2014
- Volunteered at *Zoo Zoom*, BREC's Baton Rouge Zoo, August 23, 2014
- Served as graduate mentor for *BIOS: Biology Intensive Orientation for Students* program, August 2014
- Spoke and presented specimens to students at Brusly Elementary School about fish, March 13, 2014
- Volunteered at *Zoo Zoom*, BREC's Baton Rouge Zoo, August 24, 2013
- 1 of 8 members to serve on Working Group for reorganizing the National EnvironMentors Operational Model, June – December 2013
- Served as graduate mentor for *BIOS: Biology Intensive Orientation for Students* program, August 2013
- Volunteered at Louisiana Art and Science Museum with BREC's Baton Rouge Zoo, March 3, 2013
- Aided the Office of Law Enforcement, for the Louisiana Department of Wildlife and Fisheries by sequencing DNA from contraband fish specimens to confirm their identity, 2013
- American Society of Ichthyologists and Herpetologists, 2013-2015
- National Science Teachers Association, 2013-2015
- Volunteered at Ocean Commotion, October 30, 2012
- Volunteered at *Zoo Zoom*, BREC's Baton Rouge Zoo, August 25, 2012
- Diversity Action Team at LSU, 2012-2014
- Volunteered with LSYOU Program – Toured around Museum of Natural Science, 2012
- Presented fish at Zachary Elementary School Summer School Program, June 11, 2012
- Volunteered at LSU Museum of Natural Science's *Special Saturday – Flashing Fishes*, February 25, 2012

- Volunteer at BREC's Baton Rouge Zoo (Activities include: *Zoo & Me*, *Zoo Mobile*, *Zoo Camp*, *Education Animal Nursery*, *Elephant Program*, and *Edzoocation* programs), 2011-2014
 - Programs Presented: *Amazing Adaptations*, *Skullology*, *Animal Discovery*, *Food Chains & Food Webs*
- Volunteered at LSU Museum of Natural Science's *Special Saturday – Microscopic Journey*, December 10, 2011
- Volunteered at *Boo at the Zoo*, BREC's Baton Rouge Zoo, October 15, 2011
- Volunteered at Ocean Commotion, Louisiana State University, November 3, 2011
- Trained undergraduate students on molecular research techniques, 2011-2014
- Volunteered at *NanoDay*, Carbon Nanotube Exhibit, Louisiana Art and Science Museum, April 2, 2011
- National Society for Collegiate Scholars, 2008-2011
- Phi Eta Sigma National Honor Society, 2008-2011

AWARDS AND HONORS

- LSU Foundation Staff Outstanding Service Award, 2017
- Coalition to Restore Coastal Louisiana Coastal Stewardship Award – EnvironMentors, 2014
- National EnvironMentors Chapter of the Year Award, 2013

EDUCATION

Master of Natural Science in Biological Sciences, Minor in Education

Louisiana State University and A&M College, Baton Rouge, LA, May 2015

Thesis: *"Bridging Research and Education: A Look into the Evolutionary History of Batfishes and How Museum Exhibits can be Used to Engage the Public"*

Bachelor of Science in Biological Sciences, Minor in Sociology

Louisiana State University and A&M College, Baton Rouge, LA, May 2011