

# Leila Soledade Lemos

## Wildlife Biologist

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### Professional Profile

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Motivated and passionate professional with 18+ years of experience. I am particularly interested in how marine mammals and other marine individuals respond to anthropogenic and environmental pressures. My professional goal is to produce robust science that aids in establishing population management and conservation efforts and to disseminate knowledge.

### Skills

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- Fieldwork experience
- Marine mammal & turtle monitoring
- Large dataset analysis
- Animal husbandry
- Beach Monitoring
- Carcass morphometrics
- Carcass sampling
- Photographing experience
- Photo-id analysis
- Photogrammetry analysis
- Fecal sampling
- Drone piloting experience
- Elemental analysis (FlashEA & UV)
- Toxicological lab analysis (Atomic Absorption Spectroscopy & ICP-MS)
- LC-MS/MS & GC-MS
- Instrument troubleshooting
- Endocrine assessment (ELISA)
- Toxicological, lipidomics & endocrine lab analysis (Mass-spectrometry)
- Writing & publishing experience
- Mentoring & teaching experience
- Online platform (Moodle & Canvas)
- Project coordination experience
- Project management (Project Builder)
- GIS (ArcGIS)
- Remote Sensing
- Programming language (R)
- Scientific Diving
- Portuguese (native)
- English (fluent)
- Spanish (intermediate)
- French (basic)

### Education

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#### **PhD • Wildlife Science • Oregon State University (OSU)**

Corvallis & Newport, OR, United States • 2020

Dissertation: Body condition and hormone assessment of ENP gray whales and associations to ambient noise

#### **MSc • Public Health and Environment • ENSP/FIOCRUZ**

Rio de Janeiro, RJ, Brazil • 2012

Thesis: Concentrations of Cd, Cu, Hg, Mn, Se, and Zn in small cetaceans of the Northern coast of Rio de Janeiro, Brazil

#### **MBA • Environmental Planning and Management • Universidade Veiga de Almeida (UVA)**

Rio de Janeiro, RJ, Brazil • 2009

Monograph: History of oil and gas exploration in Brazil and their corresponding environmental licensing

#### **BSc and Licentiate • Biological Sciences • Universidade Santa Ursula (USU)**

Rio de Janeiro, RJ, Brazil • 2006

Monograph: Behavioral aspects of the southern right whale *Eubalaena australis* in La Paloma, Rocha, Uruguay

### Research Experience

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#### **Research Scientist I • Institute of Environment / Florida International University (FIU)**

Miami, FL, United States • 07/2024 to Current

- Act as the lab manager and manage staff
- Conduct fieldwork, scientific diving, and collecting seagrass, and environmental and dolphin acoustic data
- Conduct marine sample preparation and elemental analyses (carbon, nitrogen, phosphorus, and loss on ignition)
- General laboratory management (e.g., lab routine, instrument maintenance, waste management and order placements)
- Mentor and train undergraduate students and volunteers in different techniques used in the laboratory
- Conduct statistical analyses, report and manuscript preparations, grant writing, and budgeting

#### **Postdoctoral Associate • Institute of Environment / Florida International University (FIU)**

Miami, FL, United States • 06/2023 to 06/2024

- Developed a new method for volatile PFAS quantification using mass spectrometry (GC-MS)
- Conducted marine fauna sample preparation (i.e., sharks, rays, and manatees)
- Performed toxicological and endocrine assessments applying mass spectrometry (LC-MS/MS and GC-MS)
- Conducted endocrine and oxidative stress assessments using immunoassay kits (cortisol, TBARS, and hydrogen peroxide)
- Conducted statistical analyses, manuscript preparations, grant writing, and budgeting

- General laboratory management (e.g., lab routine, instrument maintenance, waste management, and order placements)

**Distinguished Postdoctoral Associate • College of Arts, Sciences & Education (CASE) / Institute of Environment / Florida International University (FIU)**

Miami, FL, United States • 08/2021 to 06/2023

- Conducted marine fauna sample preparation (i.e., fish, lobsters, sharks, rays, and dolphins), working with different types of matrices (i.e., blood, blubber, muscle, and liver)
- Performed toxicological and endocrine assessments applying mass spectrometry (LC-MS/MS and GC-MS)
- Conducted endocrine and oxidative stress assessments using immunoassay kits (cortisol, TBARS, and hydrogen peroxide)
- Conducted statistical analyses, manuscript preparations, grant writing, and budgeting
- Mentored and trained undergraduate students and volunteers in different techniques used in my research
- General laboratory management (e.g., lab routine, instrument maintenance, waste management and order placements)

**Postdoctoral Associate • Institute of Environment / Florida International University (FIU)**

Miami, FL, United States • 12/2020 to 08/2021

- Conducted marine fauna sample preparation (i.e., corals, fish, and oysters)
- Performed toxicological, endocrine, and lipidomics assessments applying mass spectrometry (LC-MS/MS and GC-MS)
- Conducted oxidative stress analysis in oysters using assay kits (catalase, TBARS, glutathione, and hydrogen peroxide)
- Conducted statistical analyses and manuscript preparations
- Mentored and trained three undergraduate and one graduate students in different techniques used in my research

**Research Assistant • Institute of Environment / Florida International University (FIU)**

Miami, FL, United States • 07/2020 to 12/2020

- Developed a new method for PFAS extraction in biological samples
- Developed a new method for phthalate ester extraction in biological samples
- Conducted marine fauna sample preparation (i.e., corals, fish, and oysters)
- Performed toxicological, endocrine, and lipidomics assessments applying mass spectrometry
- Conducted oxidative stress analysis in fish through assay kits (catalase, TBARS)
- Conducted statistical analyses and manuscript preparations

**Research Scientist • Geospatial Ecology of Marine Megafauna Laboratory (GEMMLab) / Marine Mammal Institute / Oregon State University (OSU)**

Corvallis & Newport, OR, United States • 09/2015 to 06/2020

- Project funded by the National Oceanic and Atmospheric Administration (NOAA) and the Oregon Sea Grant
- Participated in three sampling fieldwork seasons (May to October 2016 to 2018)
- Collected and analyzed data for photo-identification analysis and body condition scoring
- Collected and analyzed data for drone-based photogrammetry analysis
- Tested a new photogrammetry method developed by our lab in collaboration with the Aerial Information Systems Lab (OSU)
- Collected fecal samples and performed endocrinological analyses of varied hormone metabolites using enzyme-linked immunoassays (ELISA)
- Collected and analyzed environmental remote sensing data
- Explored connections between body condition, hormone variability, environmental remote sensing data, and ambient noise
- Conducted statistical analysis and wrote manuscripts
- Actively wrote blog posts on project updates and results or on relevant and current themes ([blogs.oregonstate.edu/gemmlab/](https://blogs.oregonstate.edu/gemmlab/))
- Annually represented the GEMMLab in the *Marine Science Day* event at the Hatfield Marine Science Center (OSU) and in conferences
- Mentored and trained four students, interns and volunteers in different techniques used in my research (photo-identification, body condition scoring, and photogrammetry)

### Research Scientist · GEMM-Lagos / ENSP / Fiocruz

Rio de Janeiro, RJ, Brazil · 01/2012 to 09/2012

- Performed toxicological laboratory analysis of metal, semimetal, and nonmetal element concentrations in marine fauna samples
- Carried out the final analysis of the results, including the statistical treatments
- This partnership is still ongoing, with several articles to be published

### MS Student · GEMM-Lagos / ENSP / Fiocruz

Rio de Janeiro, RJ, Brazil · 02/2010 to 01/2012

- Performed toxicological laboratory analysis of metal, semimetal, and nonmetal element concentrations in liver samples of seven different species of small cetaceans
- Conducted final analysis of the results, including the statistical treatments, and wrote manuscripts

### Intern · Molecular Biodiversity Laboratory / Federal University of Rio de Janeiro (UFRJ)

Rio de Janeiro, RJ, Brazil · 01/2006 to 08/2006

- Conducted genetic analyses on croaker fish samples from the Brazilian coast, decrypting populations through genes
- Participated in article discussions with my mentor

### Volunteer · Organización para la Conservación de Cetáceos (OCC)

La Paloma, Rocha, Uruguay · 07/2005 to 08/2005

- Participated in fieldwork monitoring the Southern Atlantic Right whales' abundance and behavior by both fixed and moving platforms
- Performed data entry after field days, analyzed the dataset, and created plots
- This work originated my undergraduate monograph
- Guided tourists in the boat to perform whale watching
- Assisted in OCC administrative works and institutional events

### Chapters in Books

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- (1) **Lemos LS**, Hauser-Davis RA. 2023. A review on cadmium, mercury, and lead loads in *Pontoporia blainvillei*, the most endangered dolphin species from the Southwest Atlantic. In: Hauser-Davis RA, Quinete NS, **Lemos SL**. (eds.) Lead, Mercury, and Cadmium in the Aquatic Environment: Worldwide Occurrence, Fate, and Toxicity (pp. 224-239). CRC Press, Taylor & Francis Group, LLC. eBook ISBN: 9781003186441.
- (2) Siciliano S, Moura, JF, Tavares DC, Kehrig HA, Hauser-Davis RA, Moreira I, Lavandier R, **Lemos LS**, Emin-Lima R, Quinete NS. 2018. Legacy Contamination in Estuarine Dolphin Species from the South American Coast. In: Marine Mammal Ecotoxicology: Impacts of Multiple Stressors on Population Health. Chapter 4. Pages 95-116. DOI: 10.1016/B978-0-12-812144-3.00004-8.
- (3) Moura JF, Hauser-Davis RA, **Lemos LS**, Emin-Lima R, Siciliano S. 2014. Guiana Dolphins (*Sotalia guianensis*) as Marine Ecosystem Sentinels: Ecotoxicology and Emerging Diseases. Reviews of Environmental Contamination and Toxicology 228:1-29.

### Publications

H-index: 17; i10-index: 22; Citations: 929 (14-Jan-2025)

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- (1) Ogunbiyi OD, **Lemos LS**, Brinn RP, Quinete NS. 2024. Bioaccumulation Potentials of Per- and Polyfluoroalkyl Substances (PFAS) in Recreational Fisheries: Occurrence, Health Risk Assessment and Oxidative Stress Biomarkers in Coastal Biscayne Bay. Environmental Research 120128. DOI: 10.1016/j.envres.2024.120128.
- (2) **Lemos LS**, Silva EM, Steinman K, Robeck T, Quinete N. 2024. Assessment of per- and polyfluoroalkyl substances, physiological biomarkers and their associations in aquarium-based bottlenose dolphins and killer whales. Chemosphere 364: 143038. DOI: 10.1016/j.chemosphere.2024.143038.
- (3) **Lemos LS**, DiPerna AC, Steinman KJ, Robeck TR, Quinete NS. 2024. Assessment of phthalate esters and physiological biomarkers in bottlenose dolphins (*Tursiops truncatus*) and killer whales (*Orcinus orca*). Animals 14: 1488. DOI: 10.3390/ani14101488.
- (4) **Lemos LS**, Attademo FLN, de Paiva LH Jr, Costa AF, Reis LMA, de Oliveira Luna F, Hauser-Davis RA, Siciliano S. 2024. Metal and metalloid maternal transfer in a newborn West Indian manatee (*Trichechus manatus*) two years

- after the northeastern oil spill disaster of 2019 in Brazil. *Marine Pollution Bulletin* 200: 116147. DOI: 10.1016/j.marpolbul.2024.116147.
- (5) Casariego JR, Mercado A, **Lemos LS**, Quinete NS, Bellantuono A, Rodriguez-Lanetty M, Sabat A, Eirin-Lopez JM. 2024. Multi-omic characterization of mechanisms contributing to rapid phenotypic plasticity in the coral *Acropora cervicornis* under divergent environments. *Coral Reefs* 43: 53-66. DOI: 10.1007/s00338-023-02446-9.
  - (6) Pirotta E, Ajó AF, Bierlich KC, Bird CN, Buck CL, Haver SM, Haxel JH, Hildebrand L, Hunt KE, **Lemos LS**, New L, Torres LG. 2023. Assessing variation in faecal glucocorticoid concentrations in gray whales exposed to anthropogenic stressors. *Conservation Physiology* 11(1): coad082. DOI: 10.1093/conphys/coad082.
  - (7) Lavandier R, Arêas J, **Lemos LS**, Moura J, Taniguchi S, Montone R, Quinete N, Hauser-Davis RA, Siciliano S, Moreira I. 2023. Trophic chain organochlorine pesticide contamination in a highly productive upwelling area in southeastern Brazil. *International Journal of Environmental Research and Public Health* 20(14):6343. DOI: 10.3390/ijerph20146343.
  - (8) **Lemos LS**, Moreira L, Hauser-Davis RA, Quinete NS. 2023. Cortisol as a stress indicator in fish: sampling methods, analytical techniques, and organic pollutant exposure assessments. *International Journal of Environmental Research and Public Health* 20(13):6237. DOI: 10.3390/ijerph20136237.
  - (9) Milmann L, Cardoso J, Francisco A, Santos FP, Seminara C, Abras DR, Marques ML, Hille DA, **Lemos LS**, Ruenes GF, Hauser-Davis RA, Siciliano S. 2023. Dwarf minke whale (*Balaenoptera acutorostrata* subsp.) interactions with vessels off the coast of Brazil. *Cetacean Population Studies* 4: 27-33. DOI: 10.34331/cpops.2022S002.
  - (10) **Lemos LS**, Haxel JH, Olsen A, Burnett JD, Smith A, Chandler TE, Nieukirk SL, Larson SE, Hunt KE, Torres LG. 2022. Effects of vessel traffic and ocean noise on gray whale stress hormones. *Scientific Reports* 12: 18580. DOI: 10.1038/s41598-022-14510-5.
  - (11) Li X, Fatowe M, **Lemos L**, Quinete N. 2022. Spatial distribution of per- and polyfluoroalkyl substances (PFAS) in waters from Central and South Florida. *Environmental Science and Pollution Research* 2022 Jul 2. DOI: 10.1007/s11356-022-21589-w.
  - (12) **Lemos LS**, Gantiva L, Kaylor C, Sanchez A, Quinete N. 2022. American oysters as bioindicators of emerging organic contaminants in Florida, United States. *Science of The Total Environment* 835: 155316. DOI: 10.1016/j.scitotenv.2022.155316.
  - (13) Torres LG, Bird CN, Rodríguez-González F, Christiansen F, Bejder L, **Lemos LS**, Urban J, Swartz S, Willoughby A, Hewitt J, Bierlich KC. 2022. Range-Wide Comparison of Gray Whale Body Condition Reveals Contrasting Sub-Population Health Characteristics and Vulnerability to Environmental Change. *Frontiers in Marine Science* 9: 867258. DOI: 10.3389/fmars.2022.867258.
  - (14) Hauser-Davis RA, Monteiro F, Willmer IQ, **Lemos LS**, Bordon IC, Saint’Pierre TD, Lutfi DS, Vianna M. 2022. Subcellular metal partitioning as a novel tool in ecotoxicological elasmobranch assessments: The case of lesser numbfish (*Narcine brasiliensis*) affected by the Mariana dam disaster in Southeastern Brazil. *Marine Pollution Bulletin* 177: 113569. DOI: 10.1016/j.marpolbul.2022.113569.
  - (15) Pivari D, Pagliani B, **Lemos LS**, Lima D, Gravena W. 2021. Monitoring a critical population of the Bolivian river dolphin, *Inia boliviensis*, before and after closing the floodgates of a hydroelectric dam in the Amazon Basin, Brazil: A quantitative analysis. *Journal for Nature Conservation* 64: 126082. DOI: 10.1016/j.jnc.2021.126082.
  - (16) **Lemos LS**, Olsen AY, Smith A, Burnett JD, Chandler TE, Larson SE, Hunt KE, Torres LG. 2021. Stressed and slim or relaxed and chubby? A simultaneous assessment of gray whale body condition and hormone variability. *Marine Mammal Science* 38(2): 801-811. DOI: 10.1111/mms.12877.

- (17) Bruno DA, Willmer IQ, Pereira LHSS, Rocha RCC, Saint'Pierre TD, Baldassin P, Scarelli ACS, Tadeu AD, Correia FV, Saggiaro EM, **Lemos LS**, Siciliano S, Hauser-Davis RA. 2021. Metal contamination in green sea turtles (*Chelonia mydas*) found stranded in Southeastern Brazil. *Frontiers in Marine Science* 8: 608253. DOI: 10.3389/fmars.2021.608253.
- (18) Charriez KL, **Lemos LS**, Carrazana Y, Hauser-Davis RA, Rodríguez-Casariego J, Eirin-Lopez JM, Quinete NS. 2021. Application of an improved chloroform-free lipid extraction method to staghorn coral (*Acropora cervicornis*) lipidomics assessments. *Bulletin of Environmental Contamination and Toxicology* 107: 92-99. DOI: 10.1007/s00128-020-03078-3.
- (19) **Lemos LS**, Olsen AY, Chandler TE, Larson SE, Hunt KE, Torres LG. 2020. Assessment of fecal steroid and thyroid hormone metabolites in eastern north Pacific gray whales. *Conservation Physiology* 8(1): coaa110. DOI: 10.1093/conphys/coaa110.
- (20) Hauser-Davis RA, Figueiredo L, **Lemos LS**, Moura JF, Rocha RCC, Saint'Pierre TD, Ziolli RL, Siciliano S. 2020. Subcellular cadmium, lead and mercury compartmentalization in Guiana dolphins (*Sotalia guianensis*) from southeastern Brazil. *Frontiers in Marine Science* 7: 584195. DOI: 10.3389/fmars.2020.584195.
- (21) Quinete NS, Hauser-Davis RA, **Lemos LS**, Moura JF, Siciliano S, Gardinali PR. 2020. Occurrence and tissue distribution of organochlorinated compounds and polycyclic aromatic hydrocarbons in Magellanic penguins (*Spheniscus magellanicus*) from the Southeastern coast of Brazil. *Science of the Total Environment* 749:141473. DOI: 10.1016/j.scitotenv.2020.141473.
- (22) Hauser-Davis RA, **Lemos LS**, Moreira SC, Siciliano S. 2020. A scientometric review on leucism in wild dolphins. *Boletim do Laboratorio de Hidrobiologia* 306:1-9. DOI: 10.18764/1981-6421e2020.9.
- (23) **Lemos LS**, Burnett J, Chandler T, Sumich J, Torres L. Intra and inter-annual variation in gray whale body condition on a foraging ground. 2020. *Ecosphere* 11(4): e03094. DOI: 10.1002/ecs2.3094.
- (24) Hauser-Davis RA, Monteiro F, Rocha RCC, **Lemos LS**, Cardoso MD, Siciliano S. 2020. Titanium as a contaminant of emerging concern in the aquatic environment and the current knowledge gap regarding seabird contamination. *Ornithologia* 11(1) :7-15.
- (25) Monteiro F, **Lemos LS**, Moura JF, Rocha RCC, Moreira I, Di Benedetto AP, Kehrig HA, Bordon IC, Siciliano S, Saint' Pierre TD, Hauser-Davis RA. 2020. Total and subcellular Ti distribution and detoxification processes in *Pontoporia blainvillei* and (*Steno bredanensis*) dolphins from Southeastern Brazil. *Marine Pollution Bulletin* 153:110975. DOI: 10.1016/j.marpolbul.2020.110975.
- (26) Monteiro F, **Lemos LS**, Moura JF, Rocha RCC, Moreira I, Di Benedetto AP, Kehrig HA, Bordon IC, Siciliano S, Saint' Pierre TD, Hauser-Davis RA. 2019. Subcellular metal distributions and metallothionein associations in rough-toothed dolphins *Steno bredanensis* from Southeastern Brazil. *Marine Pollution Bulletin* 146:263-273. DOI: 10.1016/j.marpolbul.2019.06.038.
- (27) Moura JF, Tavares, DC, **Lemos LS**, Acevedo-Trejos E, Saint'Pierre TD, Siciliano S, Merico A. 2018. Interspecific variation of essential and non-essential trace elements in sympatric seabirds. *Environmental Pollution* 242(A): 470-479. DOI: 10.1016/j.envpol.2018.06.092.
- (28) Burnett JD, **Lemos LS**, Barlow D, Wing MG, Chandler TE, Torres LG. 2018. Estimating morphometric attributes of baleen whales with photogrammetry from small UASs: A case study with blue and gray whales. *Marine Mammal Science* 35(1): 108-139. DOI: 10.1111/mms.12527.
- (29) Torres LG, Nieukirk S, **Lemos LS**, Chandler TE. 2018. Drone Up! Quantifying Whale Behavior from a New Perspective Improves Observational Capacity. *Frontiers in Marine Science* 5(319):1-14. DOI: 10.3389/fmars.2018.00319.
- (30) Moura JF, Tavares DC, **Lemos LS**, Silveira VV, Siciliano S, Hauser-Davis RA. 2018. Variation in mercury concentration in juvenile Magellanic penguins during their migration path along the Southwest Atlantic Ocean. *Environmental Pollution* 238: 397-403. DOI: 10.1016/j.envpol.2018.03.021.

- (31) Cardoso MD, **Lemos LS**, Roges EM, Moura JF, Tavares DC, Matias CAR, Rodrigues DP, Siciliano S. 2018. A comprehensive survey of *Aeromonas* sp. and *Vibrio* sp. in seabirds from southeastern Brazil: outcomes for public health. *Journal of Applied Microbiology* 124(5): 1283-1293. DOI: 10.1111/jam.13705.
- (32) Moura JF, Merico A, Montone RC, Silva J, Seixas TG, Godoy JMO, Saint' Pierre TD, Hauser-Davis RA, Di Benedetto APM, Reis EC, Tavares DC, **Lemos LS**, Siciliano S. 2015. Assessment of trace elements, POPs, <sup>210</sup>Po and stable isotopes (<sup>15</sup>N and <sup>13</sup>C) in a rare filter-feeding shark: The megamouth. *Marine Pollution Bulletin* 95(1): 402-406. DOI: 10.1016/j.marpolbul.2015.03.038.
- (33) Moura JF, Rodrigues DP, Roges EM, Souza RL, Ott PH, Tavares M, **Lemos LS**, Tavares DC, Siciliano S. 2013. Humpback whales washed ashore in southeastern Brazil from 1981 to 2011: stranding patterns and microbial pathogens survey. *Biologia (Bratislava)* 68(5): 992-999. DOI: 10.2478/s11756-013-0237-8.
- (34) **Lemos LS**, Moura JF, Hauser-Davis RA, Campos RC, Siciliano S. 2013. Small cetaceans found stranded or accidentally captured in southeastern Brazil: bioindicators of essential and non-essential trace elements in the environment. *Ecotoxicology and Environmental Safety* 97:166-75. DOI: 10.1016/j.ecoenv.2013.07.025.

### Publications in progress

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- (1) **Lemos LS**, Hauser-Davis RA. Gray whale *Eschrichtius robustus* (Lilljeborg, 1861). In: Handbook of the Mammals of Middle and South America. Cetacea and Sirenia. Springer. Status: to be submitted.
- (2) **Lemos LS**, Hauser-Davis RA. Fin whale *Balaenoptera physalus* (Linnaeus, 1758). In: Handbook of the Mammals of Middle and South America. Cetacea and Sirenia. Springer. Status: to be submitted.
- (3) **Lemos LS**, Moura JF, Hauser-Davis RA, Saint-Pierre TD, Siciliano S. Metal contamination in a highly threatened dolphin species from the southern hemisphere, *Pontoporia blainvillei*. Status: to be submitted.
- (4) **Lemos LS**, Moreira SC, Saint' Pierre T, Siciliano S, Hauser-Davis RA. Elephant seal poop: indicative of metal contamination exposure. Status: to be submitted.

### Scientific Dissemination Articles

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- (1) Siciliano S, Souza SP, **Lemos LS**, Ruenes GF, Hauser-Davis RA. 2022. Cauxi (Porifera, Demospongiae), a new food item in the diet of the Amazonian manatee (*Trichechus inunguis*)? *Sirenews* 76: 14-18.

### Books and Special Issues Editorship

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- (1) **Lemos LS**, Hauser-Davis RA. 2022-2023. Threats to Cetacean Health. Special Issue: Animals, MDPI.
- (2) Hauser-Davis RA, Quinete NS, **Lemos LS**. 2022-2023. Lead, Mercury, and Cadmium in the Aquatic Environment: Worldwide Occurrence, Fate, and Toxicity. CRC Press, Taylor & Francis Group, LLC.

### Grants, scholarships, and awards

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#### NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACH) Research Funds

2024 • Amount: U\$ 325

Research funds to support laboratory materials to conduct PFAS analyses in manatee samples.

#### NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACH) Research Funds

2023 • Amount: U\$ 1,000

Scholarship to participate in the SETAC (Society of Environmental Toxicology and Chemistry) North America 44<sup>th</sup> Annual Meeting in Louisville, KY, United States

**The Office of Research and Economic Development (ORED) / Florida International University (FIU)**

2023 · Amount: U\$ 500

Scholarship to participate in the SETAC (Society of Environmental Toxicology and Chemistry) North America 44<sup>th</sup> Annual Meeting in Louisville, KY, United States

**NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACHÉ) Research Funds**

2023 · Amount: U\$ 1,000

Research funds to support laboratory materials to develop a new method to determine volatiles PFAS in the GC-MS.

**NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACHÉ) Research Funds**

2023 · Amount: U\$ 1,060

Research funds to support laboratory materials to conduct cortisol analyses in blubber samples of bottlenose dolphins.

**2022 Coastlines and Oceans Division Grant**

2022 · Amount: U\$ 1,000

Research grant earned to perform a pilot fieldwork with manatees and conduct oxidative stress analyses

**NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACHÉ) Research Funds**

2022 · Amount: U\$ 2,400

Scholarship to participate in the SETAC (Society of Environmental Toxicology and Chemistry) North America 43<sup>rd</sup> Annual Meeting in Pittsburgh, PA, United States

**The Office of Research and Economic Development (ORED) / Florida International University (FIU)**

2022 · Amount: U\$ 500

Scholarship to participate in the SETAC (Society of Environmental Toxicology and Chemistry) North America 43<sup>rd</sup> Annual Meeting in Pittsburgh, PA, United States

**The Society for Marine Mammalogy (SMM)**

2022 · Amount: U\$ 500

Best Video Presentation Award at the 24<sup>th</sup> Biennial Conference on the Biology of Marine Mammals in West Palm Beach, FL, United States

**NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACHÉ) Research Funds**

2021 · Amount: U\$ 300

Scholarship to participate in the SMM2021: The 24<sup>th</sup> Biennial Conference on the Biology of Marine Mammals in West Palm Beach, FL, United States

**NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACHÉ) Research Funds**

2021 · Amount: U\$ 1,100

Scholarship to participate in the SETAC (Society of Environmental Toxicology and Chemistry) North America 42<sup>nd</sup> Annual Meeting. Virtual Meeting.

**CASE Faculty Awards (FIU)**

2021

Award recognizing outstanding faculty who have distinguished themselves in the areas of Research, Teaching, Service, and Community Engagement.

**NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACHÉ) Research Funds**

2021 · Amount: U\$ 700

Travel Award to conduct fieldwork trips to Tampa and Marco Island, Florida.

**NSF Center of Research Excellence in Science and Technology (CREST) - Center for Aquatic Chemistry and Environment (CACHÉ) Research Funds**

2021 • Amount: U\$ 2,000

Research funds to support payment of laboratory analyses of phthalate concentrations in oysters

**Henry Mastin Graduate Student Fund Award (OSU)**

2020 • Amount: U\$ 1,275

Award to support payment of publication costs for the manuscript "Intra- and inter-annual variation in gray whale body condition on a foraging ground"

**Graduate School Travel Award (OSU)**

2019 • Amount: U\$ 750

Partial scholarship to participate in the World Marine Mammal Conference in Barcelona, Spain

**Fisheries and Wildlife Travel Award (OSU)**

2019 • Amount: U\$ 500

Partial scholarship to participate in the World Marine Mammal Conference in Barcelona, Spain

**American Cetacean Society (Oregon Chapter)**

2019 • Amount: U\$ 250

Partial scholarship to participate in the World Marine Mammal Conference in Barcelona, Spain

**The Society for Marine Mammalogy (SMM)**

2019 • Amount: U\$ 250

Partial scholarship to participate in the World Marine Mammal Conference in Barcelona, Spain

**Fisheries and Wildlife Graduate Student Association Award (OSU)**

2019 • Amount: U\$ 500

Award earned in recognition of my perseverance and determination in achieving my goals as a graduate student

**Mamie Markham Research Award / Hatfield Marine Science Center (OSU)**

2018 • Amount: U\$ 5,000

Award earned to fund my last PhD year of fieldwork and other minor equipment needed for the project

**The Society for Marine Mammalogy (SMM)**

2017 • Amount: U\$ 250

Partial scholarship to participate in the 22<sup>nd</sup> Biennial Conference on the Biology of Marine Mammals in Halifax, Canada

**Cetacean Society International (CSI)**

2017 • Amount: U\$ 500

Partial scholarship to participate in the 22<sup>nd</sup> Biennial Conference on the Biology of Marine Mammals in Halifax, Canada

**Cetacean Society International (CSI)**

2016 • Amount: U\$ 1,000

Research grant earned to perform laboratory training in Seattle, WA, United States

**LASPAU / Harvard**

2015-2019

Academic advising to pursue a doctoral degree in the United States

**Science Without Borders Program & Brazilian National Council for Scientific and Technological Development (CNPq)**

2015-2019 • Amount: ~ U\$ 300,000

Scholarship including tuition and stipend to pursue a doctoral degree in the United States



### **Cetacean Society International (CSI)**

2014 • Amount: U\$ 500

Partial scholarship to participate in the 16<sup>th</sup> Work Meeting of experts in aquatic mammals [16<sup>a</sup> Reunión de Trabajo de Expertos en Mamíferos Acuáticos de América del Sur, in Spanish] in Cartagena, Colombia

### **Public Health Studies Institute (IESC) / Federal University of Rio de Janeiro (UFRJ)**

2013-2014 • Amount: R\$ 20,400 (~ U\$ 5,829)

Passed a competitive public notice and was awarded a scholarship to act as a tutor of the specialization course Environmental Health Surveillance [Vigilância ambiental, in Portuguese]

### **Cetacean Society International (CSI)**

2012 • Amount: U\$ 500

Partial scholarship to participate in the 15<sup>th</sup> Work Meeting of experts in aquatic mammals [15<sup>a</sup> Reunión de Trabajo de Expertos en Mamíferos Acuáticos de América del Sur, in Spanish] in Puerto Madryn, Patagonia, Argentina

### **The Society for Marine Mammalogy (SMM)**

2011 • Amount: U\$ 500

Partial scholarship to participate in the 19<sup>th</sup> Biennial Conference on the Biology of Marine Mammals in Tampa, FL, United States

### **Scholarship Oswaldo Cruz Foundation (FIOCRUZ)**

2010-2012 • Amount: R\$ 19,200 (~ U\$ 5,485)

FIOCRUZ scholarship to pursue a master's degree

## **Professional Experience**

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### **Environmental Consultant, Field Coordinator & Marine Mammal Observer • ARCADIS Logos**

Nova Mutum & Abunã, RO, Brazil • 11/2014 to 10/2015

- Coordinated a cetacean monitoring plan at the Madeira River as a requisite for IBAMA (Brazilian Institute of Environment and Natural Resources) requirements, due to the construction of the Jirau hydroelectric power plant
- Participated in three monitoring campaigns as field coordinator
- Technical Responsible for the final report of the campaigns

### **Environmental Consultant & Field Coordinator • ARCADIS Logos**

Rio de Janeiro, RJ, Brazil • 07/2013 to 11/2013

- Developed and implemented a cetacean and marine turtle monitoring plan at the Sepetiba Bay, as a requisite for the environmental licensing requirements for a channel dredging operation in the Bay
- Supervised the cetacean monitoring activities in the Bay
- Conducted and supervised the final report sent out to the company

### **Environmental Consultant • UBX ENTERPRISES**

Morada Nova de Minas, MG, Brazil • 11/2011 to 03/2012

- Provided support in the elaboration of the Environmental Control Report at the São Francisco Basin
- Performed the study required for the environmental licensing process of the preliminary permit for drilling for the oil & gas exploration
- Monitored and reviewed the reports of the environmental agency until licensing completion

### **Intern • Mote Marine Laboratory and Aquarium**

Sarasota, FL, United States • 01/2010 to 02/2010

- Husbandry and animal care of two resident dolphins, such as feeding, cleaning, and training with medical, physical, and cognitive-behavioral approaches
- Performed water quality tests and data entry
- Developed new toys for the training sessions

### **Environmental Analyst • UBX ENTERPRISES**

Morada Nova de Minas, MG & Rio de Janeiro, RJ, Brazil • 04/2008 to 12/2009

- Coordinated the environmental sector of the company
- Conducted field visits and elaborated environmental diagnostics

- Performed the processes of environmental licensing for the exploration and production of oil & gas in exploration blocks in the São Francisco and Sergipe-Alagoas basins
- Monitored and reviewed reports and feedback from the environmental agencies
- Liaison with public managers and presentation on the activity to be developed for the population
- Mentored an intern
- Initiated the implementation of the integrated management system in the company, defining strategies and spreading the importance of this system in reducing risks and increasing profits

#### **Environmental Consultant • NP Consultoria**

Rio de Janeiro, RJ, Brazil • 08/2007 to 11/2007

- Supported the elaboration of an environmental assessment for the construction of a hydroelectric power plant at the Itabapoana River, RJ
- Participated in several campaigns for primary data collection
- Sampled individuals of the aquatic fauna that were later identified, measured, and weighed
- Compiled data into spreadsheets and performed statistical analysis

#### **Educator and Guide • Waikiki Aquarium**

Waikiki, HI, United States • 04/2007 to 05/2007

- Participated in two different programs: School Support Program and Edge of the Reef Program
- School Support Program: assisted teachers with classes, guided children from the elementary school from the Hawaiian Islands through the aquarium, and described some of the individuals in the aquarium
- Edge of the Reef Program: assisted guests of the aquarium with doubts about the marine individuals at the interactive exhibit

#### **Co-founder • Instituto de Pesquisas em Aquariologia e Aquicultura (IPAq)**

Rio de Janeiro, RJ, Brazil • 07/2003 to 08/2005

- Co-founded the NGO IPAq (Institute of Research in Aquariology and Aquaculture)
- Assisted in aquarium systems maintenance and assisted in project development
- Participated in events with aquarists and on discussion boards on the NGO's website

### **Teaching Experience**

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#### **Adjunct Professor • Florida International University (FIU)**

North Miami, FL, United States • 08/2023 to Current

- Developed content for the online capstone course "Senior Seminar" (BSC 4931) from the Department of Biological Sciences
- Taught the class to a group of 9 to 21 students, led discussions, and graded assignments
- Advised and graded the final projects of the students

#### **Graduate Teaching Assistant (GTA) • Oregon State University (OSU)**

Corvallis, OR, United States • 01/2020 to 03/2020

- Assisted faculty in the online class "Mammalogy" (FW 317) under the supervision of the course instructor Clinton Epps
- Worked with a group of ~30 students, led discussions, and delivered lectures
- Graded assignments and exams, advised, and graded the final projects of the students

#### **Graduate Teaching Assistant (GTA) • Oregon State University (OSU)**

Corvallis, OR, United States • 09/2019 to 12/2019

- Assisted faculty in the online class "Field Techniques" (FW 255) under the supervision of the course instructor Dana Sanchez
- Worked with a group of ~10 students, led discussions, and delivered lectures
- Graded assignments and exams, advised, and graded the final projects of the students

#### **Graduate Teaching Assistant (GTA) • Oregon State University (OSU)**

Corvallis, OR, United States • 03/2019 to 06/2019

- Assisted faculty in the on-campus class "Mammal Management and Conservation" (FW 458/558) under the supervision of the course instructor Clinton Epps
- Worked with a group of ~40 students, assisted in classes, fieldwork trips, and necropsy
- Graded assignments, exams, and final projects of the students

## **Graduate Teaching Assistant (GTA) • Oregon State University (OSU)**

Corvallis, OR, United States • 03/2018 to 06/2018

- Assisted faculty in the online class "Field Techniques" (FW 255) under the supervision of the course instructor Dana Sanchez
- Worked with a group of ~20 students, led discussions, and delivered lectures
- Graded assignments and exams, advised, and graded the final projects of the students

## **Teaching Assistant • IESC / UFRJ**

Rio de Janeiro, RJ, Brazil • 07/2013 to 12/2014

- Passed a competitive public notice and was awarded a scholarship by the Public Health Studies Institute (IESC), an institute from the Federal University of Rio de Janeiro (UFRJ), Brazil
- Acted as a tutor of the "Environmental Health Surveillance" specialization course
- Monitored and advised two classes of 20-25 students each, acting as the online platform moderator (Moodle platform)
- Created discussion boards to discuss the covered topics and advised students on their final project

## **Teaching Assistant • Santa Ursula University**

Rio de Janeiro, RJ, Brazil • 08/2003 to 12/2003

- Assisted faculty in the course "Biological Foundation II" with a group of ~ 40 students
- Assisted in fieldwork and lab work

## **Intern • Instituto Methodista Bennett**

Rio de Janeiro, RJ, Brazil • 02/2006 to 06/2006

- School pedagogical internship with Biology students at a high school
- Assisted the Biology teacher with a group of ~ 40 students

## **Invited Speaking Engagements**

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- (1) **Lemos LS.** 2023. Statistical Analyses & Graphics using R software (classes 1 and 2). In: "Chemometrics and Sampling (CHM 5165)" Class. Florida International University. North Miami, FL, United States.
- (2) **Lemos LS.** 2022. Article content and structure [Conteúdo e Estrutura de Artigos, in Portuguese]. In: Articles Workshop [Workshop de Artigos, in Portuguese]. Public Health and Environment Postgraduate Program at the Oswaldo Cruz Foundation. Rio de Janeiro, RJ, Brazil.
- (3) **Lemos LS.** 2022. The use of drones to determine the body condition of Eastern North Pacific Gray Whales (*Eschrichtius robustus*). In: "Drone operations" class. Portland Community College. Portland, OR, United States.
- (4) **Lemos LS.** 2012. Metals and other contaminants in marine mammals [Metais e outros contaminantes em mamíferos marinhos, in Portuguese]. In: ENSP/FIOCRUZ Winter Course Fauna Studies for Ecosystem Health Evaluation [Estudos de Fauna para Avaliação da Saúde de Ecossistemas, in Portuguese]. Public Health and Environment Postgraduate Program at the Oswaldo Cruz Foundation. Rio de Janeiro, RJ, Brazil.

## **Conference proceedings and oral presentations**

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- (1) **Lemos LS,** Garcia D, Torres L. 2022. Gray whale body condition assessment: photo scoring or drone-based photogrammetry? In: 24<sup>th</sup> Biennial Conference on the Biology of Marine Mammals. West Palm Beach, FL, United States.
- (2) Kaylor C, **Lemos LS,** Quinete NS. 2021. The Assessment of Per- and Polyfluoroalkyl substances in Biscayne Bay Oysters. In: Florida International University REU Symposium. Miami, FL, United States.
- (3) **Lemos LS,** Olsen A, Smith A, Burnett J, Chandler TE, Perez A, Calambokidis J, Larson S, Hunt KE, Torres LG. 2019. Stressed and slim or relaxed and chubby? A simultaneous assessment of gray whale body condition and hormone variability. In: World Marine Mammal Conference. Barcelona, Spain.
- (4) Nieukirk S, Haxel J, **Lemos LS,** Chandler T, Hunt K, Calambokidis J, Torres LG. 2019. Sounds of stress: Evaluating the relationships between variable soundscapes and gray whale stress hormones. In: World Marine Mammal Conference. Barcelona, Spain.

- (5) **Lemos LS**, Burnett J, Chandler TE, Torres LG. 2019. Slim or chubby? An assessment of gray whale body condition. In: 23<sup>rd</sup> Northwest Student Chapter of the Society for Marine Mammalogy (NWSSMM). Seattle, WA, United States.
- (6) Garcia D, **Lemos LS**, Torres LG. 2019. Body condition variation in the Pacific coast Feeding Group Gray Whales (*Eschrichtius robustus*) along the Oregon Coast. In: The Research Advances in Fisheries Wildlife and Ecology Symposium (RAFWE). Corvallis, OR, United States.
- (7) **Lemos LS**, Green A, Smith A, Burnett J, Chandler TE, Haxel J, Larson S, Hunt KE, Torres LG. 2017. Combining traditional and novel techniques to link body condition and hormone variability in gray whales. In: 22<sup>nd</sup> Biennial Conference on the Biology of Marine Mammals. Halifax, Canada.
- (8) Torres LG, Burnett J, Nieukirk S, **Lemos LS**, Chandler TE. 2017. Drone up! Quantifying whale behavior and body condition from a new perspective. In: 22<sup>nd</sup> Biennial Conference on the Biology of Marine Mammals. Halifax, Canada.
- (9) **Lemos LS**, Moura JF, Saint’Pierre TD, Benedetto APM, Siciliano S. 2014. Metal Analysis in Franciscanas (*Pontoporia blainvillei*) found in the central-northern coast of Rio de Janeiro, Brazil [Análise de Metais em Franciscanas (*Pontoporia blainvillei*) encontradas na costa centro-norte do Rio de Janeiro, Brasil, in Portuguese]. In: 16<sup>th</sup> Work meeting of experts in aquatic mammals [16<sup>a</sup> Reunión de expertos en Mamíferos Acuáticos de América del Sur, in Spanish]. Cartagena, Colombia.
- (10) **Lemos LS**, Moura JF, Miranda Filho AL, Campos RC, Siciliano S. 2011. Cadmium determination in hepatic tissue of small cetaceans in the north coast of Rio de Janeiro, Brazil [Determinação de cádmio em tecido hepático de pequenos cetáceos odontocetos da costa norte do Rio de Janeiro, Brasil, in Portuguese]. In: Pre XVII Brazilian-Congress of Toxicology [Pré XVII Congresso Brasileiro de Toxicologia, in Portuguese]. Ribeirão Preto, SP, Brazil.

#### **Conference proceedings and poster presentations**

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- (1) **Lemos LS**, Di Perna AC, Steinman KJ, Robeck TR, Quinete NS. 2023. Stress biomarker associations with phthalate ester exposure in two species of captive delphinids. In: Society of Environmental Toxicology and Chemistry (SETAC) North America 44<sup>th</sup> Annual Meeting. Louisville, KY, United States.
- (2) **Lemos LS**, Hauser-Davis RA, Quinete NS. 2023. First-time report on elasmobranch contamination by per- and polyfluoroalkyl substances in the Southeastern Atlantic. In: LC-MS/MS Workshop on Environmental Analysis and Food Safety. Buffalo, NY, United States.
- (3) **Lemos LS**, Silva EM, Steinman KJ, Robeck TR, Quinete NS. 2023. Assessment of per- and polyfluoroalkyl substances in two species of captive delphinids from United States. In: 59<sup>th</sup> Annual North American Chemical Residue Workshop. Fort Lauderdale, FL, United States.
- (4) **Lemos LS**, Silva EM, Steinman KJ, Robeck TR, Quinete NS. 2022. Assessment of per- and polyfluoroalkyl substances in two species of captive delphinids from United States. In: Society of Environmental Toxicology and Chemistry (SETAC) North America 43<sup>rd</sup> Annual Meeting. Pittsburgh, PA, United States.
- (5) Kaylor C, **Lemos LS**, Quinete NS. 2021. The Assessment of Per- and Polyfluoroalkyl substances in Biscayne Bay Oysters. In: Ocean Sciences Meeting. Virtual Conference.
- (6) **Lemos LS**, Gantiva-Mesa L, Kaylor C, Quinete NS. 2021. Contamination by per- and polyfluoroalkyl substances and phthalate esters in oysters from Florida, United States. In: Society of Environmental Toxicology and Chemistry (SETAC) North America 42<sup>nd</sup> Annual Meeting. Virtual Conference.
- (7) Ogunbiyi OD, **Lemos LS**, Cui D, Li X, Brinn R, Quinete NS. 2021. Bioaccumulation of Per- and Polyfluoroalkyl Substances (PFAS) Levels in Backfin Tuna (*Thunnus atlanticus*) at Biscayne Bay, Miami, Florida: A Food Safety Concern. In: Society of Environmental Toxicology and Chemistry (SETAC) North America 42<sup>nd</sup> Annual Meeting. Virtual Conference.
- (8) Kaylor C, **Lemos LS**, Quinete NS. 2021. The Assessment of Per- and Polyfluoroalkyl substances in Biscayne Bay Oysters. In: FLUOROS Global 2021. Providence, RI, United States.

- (9) Kaylor C, **Lemos LS**, Quinete NS. 2021. The Assessment of Per- and Polyfluoroalkyl substances in Biscayne Bay Oysters. In: Florida International University REU Symposium. Miami, FL, United States.
- (10) Pivari D, Gravena W, Pagliani B, **Lemos LS**, Rosso S. 2019. Monitoring a critical population of the Bolivian river dolphin (*Inia boliviensis*) before and after closing the floodgates of a hydroelectric dam in the Amazon Basin, Brazil: A sample design issue. In: World Marine Mammal Conference. Barcelona, Spain.
- (11) Monteiro FS, **Lemos LS**, Moura JF, Rocha RC, Moreira I, Benedetto APM, Kehrig H, Bordon I, Siciliano S, Saint’Pierre TD, Hauser-Davis RA. 2019. Subcellular distribution and metalloprotein detoxification of titanium, a contaminant of emerging concern, in *Pontoporia blainvillei* and *Steno bredanensis* from southeastern Brazil. In: World Marine Mammal Conference. Barcelona, Spain.
- (12) **Lemos LS**, Torres LG. 2019. Hormonal and Body Condition Assessment of Eastern North Pacific gray whales (*Eschrichtius robustus*) along the Oregon coast, USA. In: Annual Markham Symposium. Newport, OR, United States.
- (13) **Lemos LS**, Burnett J, Chandler TE, Torres LG. 2019. Do environmental variables influence gray whale body condition along the Oregon Coast? In: The Research Advances in Fisheries Wildlife and Ecology Symposium (RAFWE). Corvallis, OR, United States.
- (14) Lopes CA, Figueiredo L, Araujo NLF, **Lemos LS**, Moura JF, Rocha RC, Saint’Pierre TD, Moreira I, Ziolli RL, Hauser-Davis RA, Siciliano S. 2019. Toxic metals and metalloproteins in livers and kidneys of Guiana dolphins (*Sotalia guianensis*, Van Bens, 1864) accidentally captured on the northern coast of Rio de Janeiro, Brazil. In: XIII UNIRIO Biology Week [XIII UNIRIO Semana da Biologia, in Portuguese]. Rio de Janeiro, RJ, Brazil.
- (15) **Lemos LS**, Burnett J, Haxel S, Nieukirk S, Chandler T, Torres LG. 2018. Hormonal and health variability in Northeastern Pacific Gray Whales (*Eschrichtius robustus*). In: Annual Markham Symposium. Newport, OR, United States.
- (16) Monteiro FS, Moura JF, **Lemos LS**, Moreira I, Saint’Pierre TD, Kehrig H, Benedetto APM, Siciliano S, Hauser-Davis RA. 2018. Metallothionein and Reduced Glutathione: metal exposure biomarkers in rough-toothed dolphins (*Steno bredanensis*). In: 41<sup>st</sup> Annual Meeting of the Brazilian Chemical Society [41<sup>a</sup> Reunião Anual da Sociedade Brasileira de Química, in Portuguese]. Foz do Iguaçu, PR, Brazil.
- (17) Pivari D, Pagliani B, **Lemos LS**. 2017. Monitoring a critical population of the Bolivian river dolphin *Inia boliviensis* after hydroelectric dam construction, Amazon Basin, Brazil. In: 22<sup>nd</sup> Biennial Conference on the Biology of Marine Mammals. Halifax, NS, Canada.
- (18) Monteiro FS, Moura JF, **Lemos LS**, Rocha RC, Moreira I, Saint’Pierre TD, Siciliano S, Hauser-Davis RA. 2017. Insoluble and soluble subcellular metal distribution in the Franciscana dolphin (*Pontoporia blainvillei*). In: VIII National Meeting of Environmental Chemistry [VIII Encontro Nacional de Química Ambiental, in Portuguese]. Curitiba, PR, Brazil.
- (19) Monteiro FS, Moura JF, **Lemos LS**, Moreira I, Saint’Pierre TD, Siciliano S, Hauser-Davis RA. 2017. Metallothionein and reduced glutathione as biomarkers of environmental contamination in the Franciscana dolphin. In: XVI Regional Meeting of the Brazilian Chemical Society [XVI Encontro Regional da Sociedade Brasileira de Química, in Portuguese]. Rio de Janeiro, RJ, Brazil.
- (20) Quinete NS, Hauser-Davis RA, **Lemos LS**, Moura JF, Siciliano S, Gardinali P. 2017. Occurrence and tissue distribution of organochlorinated compounds in Magellan penguin (*Spheniscus magellanicus*) from Southeastern Coast of Brazil. In: SETAC North America 38<sup>th</sup> Annual Meeting. Minneapolis, MN, United States.
- (21) **Lemos LS**, Burnett J, Haxel J, Chandler T, Nieukirk S, Torres L. 2016. Hormonal and health variability in Northeastern Pacific gray whales (*Eschrichtius robustus*). In: State of the Coast Conference. Gleneden Beach, OR, United States.
- (22) **Lemos LS**, Moura JF, Saint’Pierre TD, Siciliano S. 2015. Assessment of metals in bottlenose dolphins (*Tursiops truncatus*) from the Southeastern Brazil. 21<sup>st</sup> Biennial Conference on the Biology of Marine Mammals. San Francisco, CA, United States.

- (23) Hauser-Davis RA, Rocha RC, Lavradas RT, **Lemos LS**, Moura JF, Siciliano S, Saint’Pierre TD. 2013. Metal and metallothionein levels in Magellanic penguins (*Spheniscus magellanicus*) found stranded on the southeastern coast of Rio de Janeiro, Brazil. In: 17<sup>th</sup> National Meeting of Analytical Chemistry [17<sup>o</sup> Encontro Nacional de Química Analítica, in Portuguese]. Belo Horizonte, MG, Brazil.
- (24) **Lemos LS**, Cardoso MD, Laine R, Roges EM, Rodrigues DP, Moura JF, Matias CAR, Siciliano S. 2012. Preliminary bacteriological evaluation of cetaceans from the north coast of Rio de Janeiro, Brazil [Avaliação bacteriológica preliminar de cetáceos da costa norte do Rio de Janeiro, Brasil, in Portuguese]. In: 2<sup>nd</sup> Latin American Congress on Rehabilitation of Marine Fauna [2<sup>o</sup> Congresso Latino-Americano de Reabilitação de Fauna Marinha, in Portuguese] Rio Grande, RS, Brazil.
- (25) Cardoso MD, **Lemos LS**, Laine R, Roges EM, Rodrigues DP, Moura JF, Matias CAR, Siciliano S. 2012. Isolation of bacteria of the genera *Aeromonas* spp. and *Vibrio* spp. in stranded sea turtles on the north-central coast of the state of Rio de Janeiro [Isolamento de bactérias dos gêneros *Aeromonas* spp. e *Vibrio* spp. em tartarugas marinhas arribadas no litoral centro-norte do estado do Rio de Janeiro, in Portuguese]. In: 2<sup>nd</sup> Latin American Congress on Rehabilitation of Marine Fauna [2<sup>o</sup> Congresso Latino-Americano de Reabilitação de Fauna Marinha, in Portuguese] Rio Grande, RS, Brazil.
- (26) **Lemos LS**, Tardin JRF, Moura JF, Siciliano S. 2012. History of cetacean strandings along the north coast of the state of Rio de Janeiro, southeastern Brazil [Histórico de encalhes de cetáceos ao longo da costa norte do estado do Rio de Janeiro, sudeste do Brasil, in Portuguese]. In: 15<sup>th</sup> Meeting of Experts Working in Aquatic Mammals of South America [15<sup>a</sup> Reunión de Trabajo de Expertos en Mamíferos Acuáticos de América del Sur, in Portuguese]. Puerto Madryn. Argentina.
- (27) Cardoso MD, **Lemos LS**, Laine R, Roges EM, Rodrigues DP, Moura JF, Matias CAR, Siciliano S. 2012. Isolation of bacteria of the genera *Aeromonas* spp. and *Vibrio* spp. in stranded sea birds on the north-central coast of the state of Rio de Janeiro [Isolamento de bactérias dos gêneros *Aeromonas* spp. e *Vibrio* spp. em aves marinhas arribadas na costa centro-norte do estado do Rio de Janeiro, in Portuguese]. In: 1<sup>st</sup> Conference in Human and Wildlife Health [1<sup>a</sup> Conferência em Saúde Silvestre e Humana, in Portuguese]. Rio de Janeiro, RJ, Brazil.
- (28) **Lemos LS**, Moura JF, Miranda Filho AL, Campos RC, Siciliano S. 2011. Cadmium determination in hepatic tissue of small cetaceans in the north coast of Rio de Janeiro, Brazil [Determinação de cádmio em tecido hepático de pequenos cetáceos odontocetos da costa norte do Rio de Janeiro, Brasil, in Portuguese]. In: XVII Brazilian Congress of Toxicology [XVII Congresso Brasileiro de Toxicologia, in Portuguese]. Ribeirão Preto, SP, Brazil.
- (29) **Lemos LS**, Moura JF, Campos RC, Siciliano S. 2011. Evaluation of Cd, T-Hg and Zn in hepatic tissue from small cetaceans of the Southeastern Brazil. In: 19<sup>th</sup> Biennial Conference on the Biology of Marine Mammals. Tampa, FL, United States, 1:173.
- (30) **Lemos LS**, Pingaro RG, Fragoso ABL. 2007. Behavioral Aspects of Southern Right Whales at Balneario de La Paloma, Rocha, Uruguay [Aspectos Comportamentais de Baleia-franca-austral no Balneário de La Paloma, Rocha, Uruguai, in Portuguese]. In: XII Latin American Congress on Marine Sciences [XII Congresso Latino-Americano Ciências do Mar, in Portuguese]. Florianópolis, SC, Brazil.

### **Selected TV Interviews and News**

- (1) Wink News. July 08, 2022, 8:15 AM EDT. Water Crisis: Contaminated oysters found in SWFL water. Estimated National Audience: 10,929. Estimated Local Audience: 10,929. Estimated National Publicity Value: USD \$1,950. Estimated Local Publicity Value: USD \$1,950.
- (2) FOX 13. July 07, 2022, 10:10 PM EDT. New study finds oysters in Florida contain toxic forever chemicals. Estimated National Audience: 73,681. Estimated Local Audience: 73,681. Estimated National Publicity Value: USD \$37,104. Estimated Local Publicity Value: USD \$37,104.
- (3) Noticiero Telemundo 49. July 07, 2022, 5:30 PM EDT. Alerta por ostras contaminadas. Estimated National Audience: 17,880. Estimated Local Audience: 17,880. Estimated National Publicity Value: USD \$8,304. Estimated Local Publicity Value: USD \$8,304.

- (4) News Channel 8. July 07, 2022, 8:35 AM EDT. Consumer alert: oysters found in Tampa Bay contain toxic forever chemicals. Estimated National Audience: 10,076. Estimated Local Audience: 10,076. Estimated National Publicity Value: USD \$1,100. Estimated Local Publicity Value: USD \$1,100.
- (5) 10 Tampa Bay Brightside. July 07, 2022, 6:05 AM EDT. Think twice also before eating oysters. Estimated National Audience: 6,848. Estimated Local Audience: 6,848. Estimated National Publicity Value: USD \$1,167. Estimated Local Publicity Value: USD \$1,167.
- (6) WPBF 25 News Mornings (ABC). July 07, 2022, 4:41 AM EDT. Florida oysters found to have toxic 'forever chemicals,' FIU study says. Estimated National Audience: 7,361. Estimated Local Audience: 7,361. Estimated National Publicity Value: USD \$1,723. Estimated Local Publicity Value: USD \$1,723.
- (7) CBS 4 News. July 06, 2022, 5:07 PM EDT. "Forever chemicals" potentially hazardous to human health found in Florida oysters. Estimated National Audience: 20,269. Estimated Local Audience: 20,269. Estimated National Publicity Value: USD \$12,654. Estimated Local Publicity Value: USD \$12,654.
- (8) News 6. July 06, 2022, 5:25 PM EDT. "Forever chemicals" in Florida oysters. Estimated National Audience: 21,172. Estimated Local Audience: 21,172. Estimated National Publicity Value: USD \$4,046. Estimated Local Publicity Value: USD \$4,046.

### **Selected Online Media**

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- (1) Miami Herald. July 08, 2022. Chemicals taint Biscayne Bay oysters. What FIU study says about our drinking water safety. In: <https://www.miamiherald.com/news/local/environment/article263227843.html>
- (2) CBS News. July 08, 2022. "Forever chemicals" potentially hazardous to human health found in Florida oysters. In: <https://www.cbsnews.com/news/forever-chemicals-potentially-hazardous-to-human-health-found-in-florida-oysters/>
- (3) Tampa Bay Times. July 08, 2022. Chemicals taint Florida oysters. What that could mean about our drinking water. In: <https://www.tampabay.com/news/environment/2022/07/08/chemicals-taint-florida-oysters-what-that-could-mean-about-our-drinking-water/>
- (4) Newsweek. July 07, 2022. Dangerous 'Forever Chemicals' Found in Florida Oysters: Study. In: <https://www.newsweek.com/dangerous-forever-chemicals-found-florida-oysters-study-1722689>
- (5) The Hill. July 07, 2022. Toxic 'forever chemicals' found in Florida oysters. In: <https://thehill.com/changing-america/sustainability/environment/3548738-toxic-forever-chemicals-found-in-florida-oysters/>
- (6) WLRN 91.3 FM. July 07, 2022. FIU study shows contaminants in Biscayne Bay oysters. In: <https://www.wlrn.org/local-news/2022-07-07/fiu-study-shows-contaminants-in-biscayne-bay-oysters>
- (7) ABC Action News. July 07, 2022. Florida oysters found to have toxic 'forever chemicals,' FIU study says. In: <https://www.abcactionnews.com/news/state/florida-oysters-found-to-have-toxic-forever-chemicals-fiu-study-says>
- (8) Wink News. July 07, 2022. Chemical toxins found in oysters around Marco Island. In: <https://www.winknews.com/2022/07/07/chemical-toxins-found-in-oysters-around-marco-island/>
- (9) El Nuevo Herald. July 07, 2022. Científicos detectan químicos tóxicos en ostras de tres zonas de Florida. In: <https://www.elnuevoherald.com/noticias/florida/sur-de-la-florida/article263250908.html>
- (10) FOX 13 News. July 07, 2022. New study finds oysters in Florida contain toxic forever chemicals. In: <https://www.fox13news.com/news/new-study-finds-oysters-in-florida-contain-toxic-forever-chemicals>
- (11) 13 ABC News Now. July 06, 2022. 'Definitely a red flag' Study finds oysters collected around Florida contain harmful toxins. In: <https://www.13newsnow.com/article/news/regional/oyster-toxins-florida-study-wildlife-contaminates/67-3ea4ab8e-1194-47d3-b409-5ef7fe3ac1ad>

- (12) FOX 13 Tampa Bay. July 06, 2022. Toxic 'forever chemicals' found in Tampa Bay oysters, study finds. In: <https://www.fox13news.com/news/toxic-forever-chemicals-found-in-tampa-bay-oysters-study-finds>
- (13) CBS Miami. July 06, 2022. Scientists sample 156 Florida oysters, find dangerous "forever chemicals" in each. In: <https://www.cbsnews.com/miami/news/scientists-sample-156-florida-oysters-find-dangerous-forever-chemicals-in-each/>
- (14) Local10. July 06, 2022. In study, Biscayne Bay oysters come out on top—for toxic 'forever chemicals'. In: <https://www.local10.com/news/local/2022/07/06/in-study-biscayne-bay-oysters-come-out-on-top-for-toxic-forever-chemicals/>
- (15) Florida Trend. July 06, 2022. FIU study shows contaminants in oysters. In: <https://floridatrend.com/article/34050/fiu-study-shows-contaminants-in-oysters>
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## Journal Editorial Board

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### Associate Editor • Journal of Trace Elements and Minerals (Elsevier)

10/2022 to Current

## Journal Reviewer

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Environmental Pollution • Elsevier • 2016 to Current  
Ecotoxicology and Environmental Safety • Elsevier • 2016 to Current  
General and Comparative Endocrinology • Elsevier • 2020 to Current  
Frontiers in Marine Science • Frontiers • 2020 to Current  
Mammalian Biology • Springer • 2020 to Current  
Marine Mammal Science • Wiley • 2021 to Current  
Marine Pollution Bulletin • Elsevier • 2021 to Current  
GeoHealth • Wiley • 2021 to Current



## Memberships

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Ecological Society of America • 2020 to Current  
Society for Marine Mammalogy • 2011 to Current

## Certifications

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- TOEFL
- GRE
- UAS Piloting (OSU)
- First Aid (CPR / AED)
- Dolphin & whale hospital animal care handler (Mote)
- Scuba Diving (CMAS)
- Scientific Diving (FIU)