Curriculum Vitae

Jennings Herrera Leavell

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Education

2023-Present **Idaho State University, Pocatello, ID**
- Master of Science in Geology
- Advisor: Dr. Kathleen Lohse
- Research: Phosphorus biogeochemistry in a fire-affected intermittent stream system

2013-2018 **Bowdoin College, Brunswick, ME**
- Bachelor of Arts
- Advisors: Dr. Dharni Vasudevan, Dr. Vladimir Douhovnikoff
- Major: Chemistry, Environmental Concentration; Minor: Philosophy

Teaching Experience

2023-Present **Teaching Assistant, Idaho State University Geosciences Department, Pocatello, ID**
- Fluid Earth Lab (GEOL 2204), GEOL1101 lecture support/grader, Fall 2023
- Spring 2024: Evolution of the Earth's Surface lab (GEOL 3315), GEOL 1101 lecture support/grader

2016 **Educator, Kieve-Wavus Leadership School, Nobleboro, ME**
- Led groups of students, mostly middle school-aged, in team, leadership, emotional intelligence, and outdoor skills building activities.

2015 **Teaching Assistant, Bowdoin College Biology Department, Brunswick, ME**
- Spring 2015: Ecology and Society (BIOL 1056)

Laboratory Experience

2023 **Graduate Research Assistant, Idaho State University Geosciences Department, Pocatello, ID**
- Worked for NSF RII Track-2 Aquatic Intermittency Effects on Microbiomes in Streams
- Collected stream chemistry, microbiome, and hydrologic samples and data in three Idaho intermittent stream systems, as part of a multidisciplinary team.
- Trained on Lohse Lab soluble reactive phosphorus and total phosphorus quantification methods

2021-2023 **Environmental Instrument Analyst, Chemtech-Ford Laboratories, Sandy, UT**

- NELAC-accredited quantification of Aroclor PCBs, pesticides, and drinking water semivolatile organic compounds in various matrices by GC-ECD and GC-MS using EPA 8000, 600, and 500 series methods (March 2022-April 2023)
- NELAC-accredited metal quantification by ICP-MS using EPA methods 200.8 and 6020B at American West Analytical Laboratories, acquired by Chemtech-Ford in January 2022(September 2021-February 2022)
- Data analysis and management via Agilent's Masshunter software and Microsoft Access-based LIMS softwares

2018-2019 **Ecotoxicology Intern, Mote Marine Laboratory, Sarasota, FL USA**

- Extracted and assisted in quantification of Florida Red Tide (*Karenia brevis*) toxins by HPLC-MS/MS in environmental matrices.
- Lead technician on preliminary Red Tide mitigation study, directly organized and carried out testing of various agents for Red Tide mitigation capacity. (December 2018- May 2019)
- Technician for Florida Healthy Beaches Red Tide monitoring toxin analysis and Mote's Red Tide Aerosol Study
- Wrote R script to QA/QC weather data for Aerosol Study

2013-2017 **Student Researcher, Douhovnikoff Ecological Genetics Lab, Bowdoin College, Brunswick, ME**

- As lab assistant, learned to extract DNA from tissue and amplify it by PCR for microsatellite analysis (Fall 2013)
- Student researcher through a Bowdoin College Biological Sciences Fellowship to conduct ecological genetics research on two *Salix* species in specific environmental contexts (Summers 2014 and 2015)

Conference Poster Presentation

2015 **Undergraduate student poster, Annual Meeting of the Society of Wetlands Scientists**

- Title: The Unidirectional Diversity Hypothesis in two *Salix* (willow) species

Outreach

2023 **Fort Hall STEM Night**

- Represented ISU Geosciences Department, lead outreach activities at Fort Hall Indian Reservation's Shoshone-Bannock Jr./Sr. High Schools's STEM night.

2023 **Guest Lecturer, Pocatello High School**
- Developed lecture with colleague for two PHS AP Biology sections.

Awards, Grants, and Honors

2024 **Thomas R. Sherwood Scholarship** ($4,426)

Center for Ecology Research and Education Grant ($4,040)

Jeff Geslin Research Grant ($1,500)

Spring 2024 ISU Graduate School Travel Grant ($300)

2018 **Danica Loucks Service Award, Bowdoin College**

2014-2015 **Fellowship in the Life Sciences, Bowdoin College Biology Department**

2013 **Eagle Scout, Boy Scouts of America, Troop 142, Racine, WI**