



LAURA M.R. JIM
Curriculum Vitae
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Profile

An experienced educator and scientist with experience working with a variety of students and adults in unique learning settings from aquaculture in central Africa and Micronesia to traditional science courses and sea turtle research in Hawaii, New Caledonia, Vanuatu, and Japan. A reliable and collaborative individual who has gained the respect from colleagues and the public. A passion for the ocean and its future has driven much of her focus and explorations throughout her professional career. Organisms worked closely with either in a research role or an aquaculture role include sea turtles (*C.mydas*, *C.caretta*, *E.imbricata*), limpets, hard and soft corals, bath sponges (*C.matthewsi*), tilapia (*O.nilotica*), and giant clams.

Present Position

Co-Director, Hawai'i Preparatory Academy Sea Turtle Research Program (STRP)
Director, Hawai'i Preparatory Academy Scuba Program
Science Educator, HPA
Safety Officer, AAUS

Work Experience

Science Educator, Hawai'i Preparatory Academy - 2000-Present

- Science instructor of biological and physical sciences at middle and high school level
- Hawaii State Science and Engineering Fair school coordinator
- Boarding and day school faculty member
- Science curriculum leader
- School coordinator and teacher leader of HI-SEES and HI-MEET Program on Hawai'i Island for 7 years

Co-Director of Sea Turtle Research Program, HPA - 2000-Present

- Trip co-leader for international STRP/NOAA tagging and tracking research projects in loggerheads, *Caretta caretta* in New Caledonia, and Japan
- Trip co-leader for research project at Anahulu River involving placement of sonic tags on green turtles, *Chelonia mydas*
- Poster presenter at the 36th annual International Sea Turtle Symposium in Lima, Peru
- Trip co-leader for various sea turtle research activities on Hawai'i Island
- Facilitator of various booths centered around sea turtle education at local events including, but not limited to, Hawai'i Island Earth and Ocean Fair, Mauna Lani Bay Hotel's Turtle Independence Day, and Kaloko-Honokōhau National Historical Park Culture Day

Sea Turtle Stranding Network Supporter, Hawai'i Preparatory Academy - 2010- Present

- Supporter of Sea Turtle Stranding Network on Hawai'i Island taking phone calls, educating public, and collecting sea turtles from the shoreline as needed for transport and rehabilitation to NOAA's Oahu Facility or Maui Ocean Center's Marine Science Center

PADI Open Water Scuba Instructor - 2013-present (Instructor # 312447)

- Instructor of PADI Scuba courses including Open Water and Advanced
 - Sea Turtle Specialist Instructor
 - EFR and First Aid Instructor
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Ke Kumu 'Āina Curriculum Developer - May-July 2019

- Curriculum developer for place based curriculum for the Kohala Center

Director of Ocean-based Operations, MERIP, Pohnpei, Federated States of Micronesia - 1998-2000

- Community liaison (assisted villagers in establishing 2 successful sponge farms) for sponge farming
- Editor for a Center for Tropical and Sub-tropical Aquaculture (CTSA) video and manual on the biology, taxonomy, farming, harvesting, and marketing of soft corals and gorgonians
- Instructor of life Sciences and aquaculture at Pohnpei Agriculture and Trade School (PATS)
- Instructor of physical science course for the College of Micronesia
- Developer and supervisor of hands-on learning for Aquaculture students including sea-water system construction and maintenance, ocean collection of specimens, mariculture techniques, boat maintenance and repair, and SCUBA
- Developer, planter, and farmer of 4 sponge farms, 2 soft coral farms and a giant clam hatchery for Pohnpei Agriculture and Trade School (PATS) and Marine and Environmental Research Institute of Pohnpei (MERIP)

Admission Assistant and Residential Faculty Member, HPA - 1997-1998

- Liaison with administration, faculty and the Director of Admission in locating and assessing potential students for K-8 program
- Leader of afternoon sports hour for boarding students
- Boarding faculty member
- Leader of weekend activities for boarding students

Aquaculture Extension Agent, Peace Corps, Congo - 1996-97

- Leader of village seminars on fish culture throughout the region
- Coordinator and aquaculture specialist helping farmers to establish 6 successful village-based fish farms that were integrated with pre-existing agriculture
- Instructor of an ESL course at the local high school
- Marketing support for fish farmers

Logistics Officer, Commercial Driver and Catamaran Crew, Red Sail Sports, Hawaii Island - 1996

- Logistics support (compiled and transported all supplies needed on boats for cruises, including dive gear, tanks, and refreshments to the boats)
- Driver of clients from various hotels to harbor
- Crew member on catamaran, assisting in setting sails, running lines, maintaining snorkel gear, and guiding visitors in viewing humpback whales and other marine life

Nesting Hawksbill Monitoring Volunteer at Hawai'i Volcano's National Park - Summer of 1995

- Volunteered to observe, record, and mark nesting females, *Eretmochelys imbricata*, and their nests at various locations along south shore of Hawai'i Island

Teaching Assistant, University of Oregon - 1995

- Teaching Assistant for an upper division Marine Biology course
 - Lab instructor (ran two laboratory sessions, graded labs and tests and directed field trips)
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Education and Training

- Sea Turtle Research Techniques, 2002-present
Mentored by Marc Rice and George Balazs I have been trained in various aspects of Sea Turtle Research including, but not limited to, measuring and weighing, conducting oral examinations, capturing (hand, dip net, and tangle net), marking (PIT, clip-on tag, carapace), and instrument placement using epoxy.
- DataStream Ocean Education Resource Teacher Fall/21
- Sea Turtle Biology and Conservation Certification Course 6/22
- PADI Open Water Dive Instructor Course 6/14
- B.S., Biology, University of Oregon, Eugene, OR 9/91 – 12/95
- Oregon Institute of Marine Biology, Charleston, OR 4/95 – 12/95
- Peace Corps Training, Cameroon, Gabon and Congo, Central Africa 5/96–8/96 *Intensive training in the languages of French and Lingala, tropical medicine and health, and appropriate techniques of agroforestry, agriculture, and fish farming*
- Training, Kolonia and Madolenihmw, Pohnpei, Federated States of Micronesia 6/98-8/98
Intensive training in Pohnpeian language, tropical mariculture techniques, reef surveying and monitoring and teaching methods

Certifications

- Wilderness Advanced First Aid - NOLS
- Oxygen First Aid for Scuba Diving Injuries - DAN
- Adult/Child/Infant CPR, AED & Airway Management - NOLS
- Epinephrine Auto-Injector - NOLS
- Lifeguard with CPR/AED for Professional Rescuers and First Aid - Red Cross
- Emergency First Response Instructor - PADI
- Open Water Instructor - PADI
- Sea Turtle Specialty Instructor - PADI

Publications, Reports, Presentations

- **Jim, Laura M.R.**, M. R. Rice, F.R.Hickey, G. H. Balazs. (In Press). Destination Revealed, Post-Nesting Migrations of Hawksbill Turtles (*Eretmochelys imbricata*) from Moso Island, Republic of Vanuatu. *Micronesica*.
 - Downs, C. A., Diaz-Cruz, M. S., White, W. T., Rice, M., **Jim, L.**, Punihaole, C., Dant, M., Gautam, K., Woodley, C. M., Walsh, K. O., Perry, J., Downs, E. M., Bishop, L., Garg, A., King, K., Paltin, T., McKinley, E. B., Beers, A. I., Anbumani, S., & Bagshaw, J. (2022). Beach showers as sources of contamination for sunscreen pollution in marine protected areas and areas of Intensive Beach Tourism in Hawaii, USA. *Journal of Hazardous Materials*, 438, 129546. <https://doi.org/10.1016/j.jhazmat.2022.129546>
 - **Jim, Laura**, Rice, Marc (April 2022) Growth rates of green turtles (*Chelonia mydas*) at several sites on Hawai'i island (from 1980-2018), Oral Presentation, Workshop on Sea Turtle Research and Conservation in the Hawaiian Islands and Oceania
 - Rice M.R., **Jim L.**, Hickey F.R. 2020. Post Nesting Migrations of Hawksbill Turtles (*Eretmochelys imbricata*) Nesting at Moso Island, Republic of Vanuatu- Summary Report. Report to the Fisheries Department, Government of the Republic of Vanuatu.
 - **Laura M.R. Jim**, Holly Hoffbauer, Sara Thiel, Francis R. Hickey, George H. Balazs, Marc R. Rice (2019) Post-Nesting Migrations of Hawksbill Turtles, *Eretmochyles imbricate*, From Most Island, Republic of Vanuatu, Poster Presentation, 39th International Sea Turtle Research Symposium, Charleston, South Carolina
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- Elizabeth Jim, **Laura Jim**, Rachel Silverman, George H. Balazs, Cindi Punihaole, and Marc R. Rice (2016) Na Honu O Kahaluu'u A Community Based Research Project, Poster Presentation, Poster Presentation, 36th International Sea Turtle Research Symposium, Lima, Peru
 - **Laura Jim**, Anna Sorenson, and Julia Ann Salvador (2016) Na Honu O Kahaluu'u A Community Based Research Project, Poster Presentation, 36th International Sea Turtle Research Symposium, Lima, Peru
 - Ellis, Simon, Sharron, L. The Culture of Soft Corals (Order: Alcyonacea) for the Marine Aquarium Trade, CTSA Publication No.135 (**Laura Jim** editor and compiler)
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