

Impacts of the John L. Pitts Aquatic Veterinary Education Awards Program on Aquatic Veterinary Medicine

Since 2010, over \$66,000 has been awarded to 111 veterinary students and newly graduated veterinarians to expand their education and involvement in aquatic veterinary medicine. Over that period, more than 370 applications have been received.

Awards have supported applicants from veterinary schools in numerous countries, pursuing a number of different educational activities, including:

Aquatic Veterinary Externships

- British Columbia Ministry of Agriculture
- Bronx Zoo and Wildlife Conservation Society
- Canadian Department of Fisheries and Oceans
- Clear Springs Foods, Inc.
- Fish Vet Group
- Florida Marine Mammal Health Program
- Food and Agriculture Organization of the United Nations
- Georgia Aquarium
- Grieg Seafood
- Gulf World Marine Park
- Hatfield Marine Science Center
- Havbruktstjenesten AS
- Idaho Department of Fish and Game
- Idaho Fish Health Center
- Institute of Aquaculture, University of Stirling
- John G. Shedd Aquarium
- Marine Harvest Canada
- Marine Mammal Center
- Marine Mammal Ophthalmology Externship
- Marine Scotland Fish Health Inspectorate
- Marine Wildlife Veterinary Care and Research Center
- Maryland State Fish and Wildlife
- Mystic Aquarium
- National Aquarium (USA)
- National Marine Life Center
- National Oceanic and Atmospheric Administration (NOAA)
- U.S. Navy Marine Mammal Program
- Norwegian School of Veterinary Science
- Oregon Coast Aquarium
- Oregon State University Aquatic Animal Health Program
- Sea Life Conservation Center
- Sea Life Park
- SeaWorld, Florida
- SeaWorld, Texas
- SeaWorld, California
- Smithsonian National Zoo
- United States Department of Agriculture
- University of Arizona Shrimp Pathology Laboratory
- University of Florida Tropical Aquaculture Laboratory
- University of Glasgow
- Vancouver Aquarium
- Vet Aqua International
- Washington State Department of Fish and Wildlife

Aquatic Veterinary Related Conferences or Symposia

- American College of Veterinary Pathologists; Canada
- Eastern Fish Health Workshop; USA
- International Association of Aquatic Animal Medicine; USA
- International Symposium on Aquatic Animal Health; Australia, Canada, and USA
- IUCN World Parks Congress; Australia

Aquatic Veterinary Related Short Courses

- AQUAVET I, II, and III; Mexico and USA
- CL Davis Marine Species Histology Workshop, Australia
- MARVET; Grand Cayman
- University of Florida SeaVet Clinical Training; USA
- University of Florida Aquatic Animal Health Program; USA

Research Projects

- Assessment of antibacterial resistance in the aquaculture industry
- Cross-sectional study on the prevalence of *Mycobacterium* spp. in aquarium fish of a zoological collection in England (Liverpool University Veterinary School)
- Prevalence and Antibigram of *E. coli* in fishes at Different Fish Shops of Chitwan, Nepal
- Investigating the clinical pathology of hypothermic-stunned sea turtles
- Long-term restoration, recovery, and monitoring of marine mammals and sea turtles in the north central Gulf of Mexico (Mississippi State University)
- Prevalence, antibiogram and risk factors of *Salmonella* spp. in fish raised in fish ponds of Chitwan (Nepal)
- Surveillance of Wisconsin aquaponics farms investigating species cultured, diseases commonly encountered and veterinary involvement
- Comprehensive health survey of coho salmon located around Alaska's Kenai Peninsula.
- Effects of cage aquaculture on the ecosystem of Lake Victoria and the health of native fish in the lake.
- Crayfish research evaluating changes in stem cell populations and hematopoiesis, optimal requirements for laboratory-housed crayfish, and safety and efficacy of anesthetic and euthanasia agents.
- Investigations into the mortality of gharial (*Gavialis gangeticus*) hatchlings in laboratory settings.

Recipients' Countries

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| • Australia | • Peru |
| • Austria | • South Korea |
| • Canada | • St. Kitts and Nevis |
| • Cayman Islands | • Thailand |
| • Chile | • Turkey |
| • Germany | • United Kingdom |
| • Ireland | • United States |
| • Nigeria | • West Indies |
| • Nepal | |

Recipients' Universities

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| • Agriculture and Forestry University | • University College Dublin |
| • Auburn University | • University of Bristol |
| • Colorado State University | • University of Calgary |
| • Cornell University | • University of Cambridge |
| • Istanbul University | • University of California-Davis |
| • Kansas State University | • University of Florida |
| • Kasetsart University | • University of Georgia |
| • Ludwigs Maximilians Universität | • University of Guelph |
| • Mississippi State University | • University of Ibadan |
| • Murdoch University | • University of Illinois |
| • National University of San Marcos | • University of Liverpool |
| • North Carolina State University | • University of Maiduguri |
| • Nottingham University | • University of Minnesota |
| • The Ohio State University | • University of Pennsylvania |
| • Oregon State University | • University of Prince Edward Island |
| • Purdue University | • University of Saskatchewan |
| • Ross University | • University of Stirling |
| • Seoul National University | • University of Surrey |
| • St. George's University | • University of Tennessee |
| • St. Matthew's University | • University of Wisconsin-Madison |
| • Texas A&M University | • Vetmeduni Vienna |
| • Tribhuvan University | • Virginia-Maryland College of Veterinary Medicine |
| • Tufts University | • Washington State University |
| • Tuskegee University | • Western University of Health Sciences |
| • Universidad de Chile | |