One Health Institute

The One Health Institute grew out of UC Davis School of Veterinary Medicine’s recognition and long-standing consideration of the inextricable link between animal, human and environmental health. Home to the well-established Wildlife Health Center, which has applied the powerful One Health approach to global conservation problem-solving since 1998 and the other innovative centers and projects described below, the One Health Institute fosters the science, innovation, capacity building, education and leadership that these centers and projects provide to the UC Davis campus, the UC system, state and federal agencies, and worldwide partners.

Wildlife Health Center Programs

Oiled Wildlife Care Network—Providing better response, care and understanding regarding the effects of oil exposure on animals and ecosystems at risk. With member partners along the entire coast of California and several dedicated facilities, network veterinarians have responded to such high-profile events as the Cosco Busan incident in San Francisco Bay and the Gulf oil spill of 2010.

Gorilla Doctors—Helping mountain and Grauer’s gorillas survive and thrive in the wild by delivering life-saving veterinary care for human-caused and life-threatening illness and injuries.

SeaDoc Society—Advancing the health of marine wildlife through science and outreach, particularly in waterways and ecosystems of the Pacific Northwest.

Health for Animals and Livelihood Improvement—Assessing the effects of shared diseases and water management on wildlife, livestock, and human health and livelihoods in the Ruaha River ecosystem, Tanzania.

California Conservation—Conducting research that ensures healthy wildlife, ecosystems and people throughout California.

Avian Flu Research—Serving government with public health tools and strategies needed to control and lessen the impact of epidemic influenza and the increasing threat of pandemic influenza.

Zoological Medicine Service—Training future leaders in the field of zoo and wildlife practice while providing state-of-the-art veterinary care to regional zoos; ensuring the recovery of endangered species, a healthy environment and healthy people through research and service.

PREDICT—Building global surveillance to detect and prevent spillover of pathogens of pandemic potential that can move between wildlife and people.

One Health Institute Centers and Projects

One Health Diagnostic and Technology Development Laboratory—Developing and optimizing new methods to detect
known and novel viruses in wildlife to evaluate the impact of disease and opportunity for spillover to other species. This unit also provides diagnostic testing and support to members of the marine mammal health and stranding network, wildlife biologists, marine animal scientists and marine animal clinicians.

University of California Global Health Institute Center of Expertise in One Health—Assessing and responding to global health problems arising at the animal-human-water-food interface and designing, implementing, and evaluating practical, cost-effective, and sustainable solutions that focus on the foundations of health in collaboration with local partners.

Calvin Schwabe One Health Project—Increasing collaborative relationships among veterinarians, physicians and students to benefit human and animal health.

Curricular Development and Training—Working with the School of Veterinary Medicine and the UC Davis campus to introduce students to an integrated, trans-disciplinary approach to animal, human and environmental health in the DVM and graduate student curricula and providing scientific and research mentorship to prepare future leaders to use One Health approaches to solve societal problems.

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