

The Center for Health in the Human Ecosystem (CHHE)

The University of Idaho CHHE is a multidisciplinary and collaborative center for excellence to build a more sustainable human ecosystem through research, teaching and outreach.



ABOUT

The CHHE was established in the College of Agricultural and Life Sciences at the University of Idaho in 2017. The center seeks to accelerate practices and policies that transform the lives of people and animals in Idaho and around the world through excellence in research and education on the impacts of environmental change and land and water use on health and disease.

WHAT WE DO

The CHHE nucleates collaborative and transdisciplinary thinking, networking and research, thereby supporting the development and submission of scholarly works and grants that support training and career development for faculty, postdoctoral scientists, graduate students and undergraduate students. Please email us (chhe@uidaho.edu) to learn about CHHE membership benefits and opportunities to contribute to our mission.

PARTNERS

California Safe Soils, LLC
CONNECTED Community Network for African Vector-borne Plant Viruses
Idaho IDeA Network of Biomedical Research Excellence (INBRE)
Idaho STEM Action Center
National Association of Vector-borne Disease Control Officials
National Institutes of Health Rocky Mountain Laboratories
Northwest Mosquito and Vector Control Association
Terragraphics International Foundation (TIFO)
U.S. Department of Agriculture Animal Disease Research Unit
WWAMI Regional Medical Program and Rural Health Research Center

Contact

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Biology of Vector-Borne Diseases Six-Day Training Course

BIOLOGY OF VECTOR-BORNE DISEASES



MISSION

Create a knowledge network for a diverse and growing community of practitioners who transform science, and develop interventions across **plant, animal and human vector-borne diseases**.

VISION

Stimulate and enhance innovative and integrated research, collaborations, teaching, and outreach across **plant, animal and human vector-borne diseases** through a cutting-edge and interactive annual course delivered by a core community of leading scientists.

This course provides accessible, condensed training and “knowledge networking” for students, postdoctoral fellows, faculty and professionals to ensure competency in basic biology, cutting edge technology and tools, expertise and resources for U.S. and global vector-borne diseases of plants, animals and humans. We seek to train the next generation of scientists and help working professionals to think more holistically about vector-borne diseases as interconnected pathosystems. With this perspective, we strive to inspire the development of effective solutions to current and emerging vector-borne disease threats in complex human ecosystems.

This course sets an example of new vision, through leadership of the CHHE, to create an enduring community of participants and instructors to expand the impact and sustainability of these approaches.

Our next annual Biology of Vector-borne Diseases course is scheduled for Monday through Saturday, June 13-18, 2022.

Applications will be reviewed starting December 1, 2021. Applicants will be notified of their acceptance and invited to register for the course in Spring 2022.

Registration for the course includes lodging, meals, course materials, and social activities.

COURSE GOALS

- Gaining a common vocabulary across plant, animal and human vector-borne diseases to improve communication and transfer of knowledge
- Understanding the common biology and drivers — and also key distinctions — across plant, animal and human vector-borne diseases
- Defining what makes a vector and the process of implicating a vector
- Sharing updates on technology and tools across vector-borne diseases to improve the pipeline of science to translation

COURSE THEMES

- Shared and distinct components of vector-borne disease cycles
- Host and pathogen biology and heterogeneity
- Virulence and resistance mechanisms
- Disease ecology
- Global change, re-emergence and emergence of pathogens