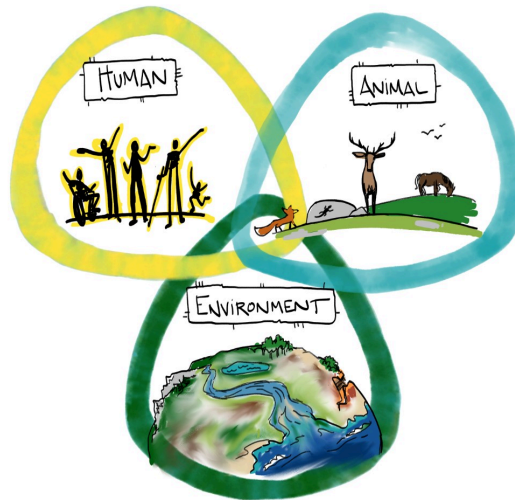


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One Health Institute Updates  
Summer 2025

CSU One Health Institute



## Note from our Director

Dear One Health friends, colleagues and students,

Welcome to summer! I hope you all had a great spring semester, and congratulations to the Class of 2025.

This past year has brought challenges and uncertainty for many in our community. I'm continually inspired by the resilience, compassion and collaboration you bring to this work. Together, we continue to build a strong and supportive One Health community at Colorado State University and beyond.

As we close out the academic year, I would like to thank our generous donors again, Dr. G William and Linda Orr, who came to visit us in the fall. We were pleased to be able to honor their endowment with an honorary brick placed at the heart of the oval at CSU in October. Through Orr support and generosity we will be able to continue to work to improve the health of people, animals and communities; and support the training of future health leaders to increase the public health and veterinary workforce in Colorado to respond to public health emergencies.

As we look back on the year, some highlights include being able to fund 10 student led projects, [five through the One Health Institute and USDA-APHIS Veterinary Services Mini-Grant Challenge](#) focusing on Emerging Disease Threats with Implications for African Swine Fever; and [five addressing an issue at the interface of](#)

**humans, animals, plants and the environment**. We were also pleased to fund **three faculty pilot awards** led by PIs Drs. Elizabeth Hemming-Schroeder, Ed Hall, and Gilbert John aimed at tackling ecosystem health challenges. We look forward to sharing updates on these funded projects in the fall as they progress.

Before you head into summer, please save the date for our CSU One Health Day Celebration on Thursday, November 6. While One Health Day is officially recognized on November 3, our celebration will be on the 6th bringing together faculty, students, partners and friends to highlight one health projects.

I wish you all a wonderful summer with rest and adventure. We will look forward to working with you all again next year and thank you all for your collaboration and partnership.

Best,

Tracey Goldstein, Ph.D.

[Dr. G. William and Linda Orr Endowed Director for One Health](#)

One Health Institute

Colorado State University



*One Health Institute director Tracey Goldstein and donors Dr. G. William and Linda Orr gather at the CSU Administration building for a photo following the placement of the honorary donor brick at the heart of CSU's Oval in October.*



*One Health Institute Team gathers on the CSU Oval to celebrate the placement of the honorary donation brick. From left to right: Lorann Stallones, Jessica Hunter, Tracey Goldstein, Teya Kvasnicka, Claire Tucker, and Beth Hayes.*

## One Health Stories

### **One Health in Communities Course tackles wildfires through collaborative disaster management**

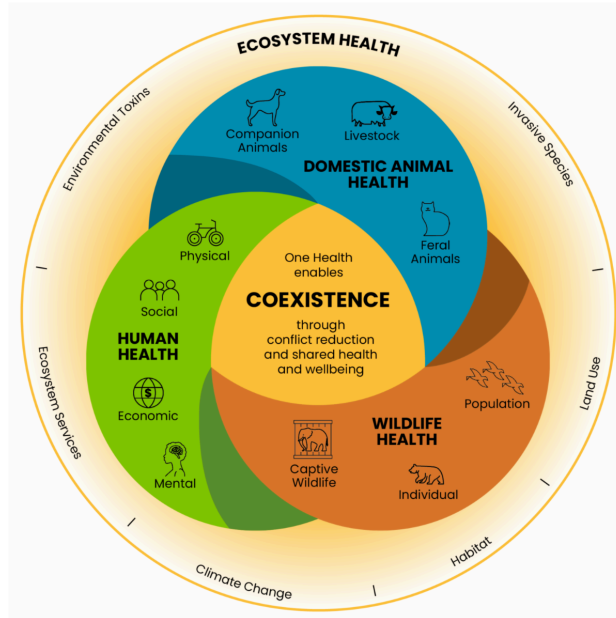


This spring, 13 graduate students and two non-degree seeking students participated in the One Health in Communities course, offered through Colorado State University and hosted by the One Health Institute. The course focused on disaster preparedness and management, with an emphasis on the wide-ranging impacts of wildfires through a One Health lens.

As a final project, students developed and presented practical, One Health solutions to wildfire-related challenges. Topics included protecting firefighters from rattlesnake bites, developing domestic animal evacuation plans, and creating community cleanup strategies that support both human and animal health.

Read the story

## New publication in One Health: Researching wildlife health will benefit everyone and the planet



CSU researchers from the Warner College of Natural Resources, College of Veterinary Medicine and Biomedical Sciences, College of Agricultural Sciences, College of Engineering, College of Liberal Arts, One Health Institute, and scientists from the International Biodiversity Network recently published a paper that aims to broaden the One Health framework to include ecosystem science and wildlife health. The paper, “Transdisciplinary research priorities for a One Health approach to human-wildlife coexistence,” was published May 21 in [BioScience](#).

Led by Warner College of Natural Resources’ Center for Human Carnivore Coexistence, the paper outlines six research priorities that can help scientists, policymakers and farmers find solutions for the interconnected environmental, health and societal problems facing our planet.

[Read the publication](#)

## **BROADN Welcomes 2025 Undergraduate Summer Research Fellows**

The Biology Integration Institute Regional OneHealth Aerobiome Discovery Network, or **BROADN**, welcomed five Summer Undergraduate Research Fellowship (SURF) students to Colorado State University on Tuesday, May 27.

The 2025 cohort includes three students from CSU and two from the University of Nevada, Reno. Over the next 10 weeks, they will contribute to projects across five BROADN-affiliated labs and gain experience in microbiology, atmospheric science, data analysis and environmental health. Meet our SURF Students!

**Evelin Casiano-Ramirez**  
University of Nevada, Reno



Working in [Dr. Jan Leach's Laboratory](#), Evelin is studying *Bacillus*, a type of bacteria commonly found in the air. She will test a mutant library of *Bacillus* strains for their ability to survive harsh airborne conditions, including dryness, UV radiation and antibiotic exposure, which will help identify the genes necessary for their survival in the atmosphere.



**Zoey Mikol**  
Colorado State University

Working in [Dr. Brad Borlee's Laboratory](#), Zoey is studying traits that allow bacteria to survive in the atmosphere. Some strains produce UV-protective pigments, kill fungi, resist drying or aid in the formation of ice crystals. Throughout the summer, Zoey will be helping to characterize a library of bacterial strains isolated from the air.



**Jonas Andersen**  
Colorado State University

Working with [Dr. Shantanu Jathar](#) in the [Laboratory of Air Quality Research](#), Jonas is testing a new tool called a virtual impactor, designed to improve how biological particles in the air - known as bioaerosols - are collected. Bioaerosols can come from natural or human-made sources and influence air quality, health and environmental conditions.



**Riley Morris**  
University of Nevada, Reno

Working in the [Dr. Jane Stewart's Laboratory](#), Riley is studying how fungal spores survive in the atmosphere. She is investigating how airborne fungi adapt to the harsh environment of the atmosphere, including by producing a sugar called trehalose, which can protect cellular structure under extreme dryness.

**Taylor Melling**  
Colorado State University

Working in [Dr. Sonia Kreidenweis's Laboratory](#), Taylor is exploring how storage conditions impact the stability and quality of microbial DNA. DNA can degrade over



time, and the way samples are stored can affect downstream analyses. Taylor will quantify and sequence DNA to investigate how different storage methods influence the quality of DNA.

## 'One Health' conference highlights interconnectedness of people, animals, environment



The interconnection of the well-being of all living things has been the focus of the annual One Health and Zoonoses Conference for the last 50 years, and was held in person for the first time since the COVID-19 pandemic on April 10 in Colorado's capital.

Held at the CSU Spur campus in downtown Denver, the conference was hosted by the Colorado Department of Public Health and Environment (CDPHE), the One Health Institute and the Rockies and High Plains Vector-borne Diseases Center, both housed at Colorado State University.

The annual conference strengthens partnerships between medical and veterinary professionals, public health officials, biologists, animal control officers, scientists, professors, researchers and others whose work concerns the health of people, animals and the environment.

## Read the story

### One Health Student Opportunities

#### Apply for the Dr. G. William and Linda Orr Medical Student Award

The One Health Institute at Colorado State University (CSU) is proud to offer the [William and Linda Orr Medical Student Award](#) for a medical student with a focus in One Health to complete a Master of Public Health (MPH) degree at the CSU campus of the Colorado School of Public Health.

**Student Award Application Period | June 15 to November 15, 2025**  
**Student Award Notification | November 20, 2025**  
**Student Award Acceptance | December 15, 2025**

**Note:** The student award is contingent on submission of a formal MPH application in SOPHAS Express and an offer of admission to the MPH/MD dual degree program.

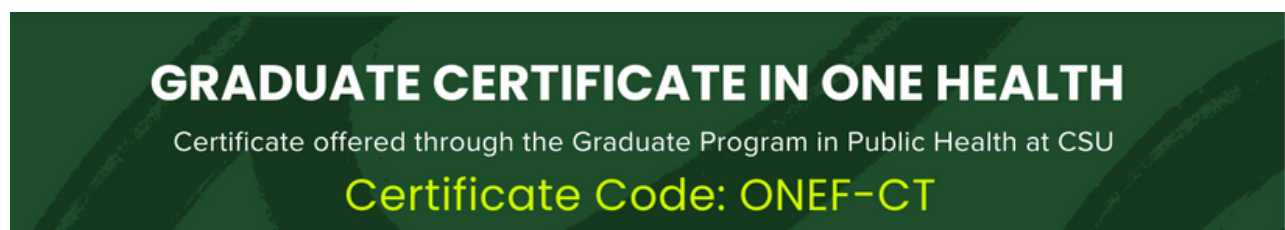
[Learn more and apply](#)

#### Dr. Gregory D. Bossart Memorial One Health Scholarship

A \$5,000 USD [Dr. Gregory D. Bossart Memorial One Health Scholarship](#) is available to a graduate student doing research in wildlife biology, epidemiology, veterinary, medical, public health, basic or social sciences or other program focusing on the interconnection between people, animals, plants, and their shared environment using a One Health framework.

[Learn more and apply](#)

### One Health Education



**GRADUATE CERTIFICATE IN ONE HEALTH**  
Certificate offered through the Graduate Program in Public Health at CSU  
**Certificate Code: ONEF-CT**

## Graduate Certificate in One Health Available

Attention students interested in furthering their One Health education! Year two of the **Graduate Certificate in One Health** is approaching. The Graduate Certificate, offered through the Graduate Program in Public Health at Colorado State University, was launched in Fall 2025 and will open to students again in 2026.

This Graduate certificate provides students from all colleges and programs with interdisciplinary training to expand their One health knowledge, preparing them to become leaders in the One Health field.

[Learn more and apply](#)

## One Health Events

### Save the date for CSU One Health Day Celebration!



**Thursday, Nov. 6, 2025 | 4:00 - 7:00 p.m.**

Save the date! We would like to invite you to join Colorado State University's One Health Institute for our annual celebration of Global One Health Day!

This celebration brings together people interested in the One Health approach highlighting projects at the intersection of human, animal, and ecosystem health. A reception with hors d'oeuvres and drinks will follow our scheduled program. We welcome all who are interested in learning about One Health to attend.

Add to calendar

[Apple](#) [Google](#) [Office 365](#) [Outlook](#) [Outlook.com](#) [Yahoo](#)

## 20th International Society for Equitation Science Conference 2025 at Colorado State University



## July 23 - 26, 2025 | Fort Collins, Colorado

The [20th International Society for Equitation Science Conference](#) is back in the U.S. for the first time in over a decade from **July 23rd – 26th, 2025**. This conference location will be a vacation destination hosted by Colorado State University in the heart of Old Town Fort Collins, Colorado!

This multi-day, interdisciplinary conference will explore scientific insights into the unique bond between horses and humans and how we can apply this knowledge to enhance horse welfare. In alignment with the [International Society for Equitation Science \(ISES\)](#) mission, the event will emphasize the importance of objective research and best practices in improving the well-being of horses in their interactions with humans.

## Support the One Health Institute

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One Health Institute | [onehealth.colostate.edu](https://onehealth.colostate.edu)



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