



UCDAVIS
UNIVERSITY OF CALIFORNIA

ONE HEALTH

ZOONOTIC DISEASES IMPACT ON FOOD SYSTEMS

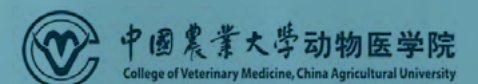
JULY 26 - AUGUST 6, 2021

 **ONLINE**
INTERACTIVE & GROUNDBREAKING
CONFERENCE

UC DAVIS EDUCATION CONFERENCE ON ONE HEALTH FOR FOOD SAFETY, AGRICULTURE, AND ANIMAL HEALTH

HOSTED BY: UNIVERSITY OF CALIFORNIA, DAVIS | WESTERN INSTITUTE FOR FOOD SAFETY & SECURITY

CO-HOSTED BY: CHINA AGRICULTURAL UNIVERSITY | COLLEGE OF VETERINARY MEDICINE



ABOUT UC DAVIS

OUR STORY

UCDAVIS



UC Davis is the home of the Aggies — go-getters, change makers and problem solvers who make their mark at one of the top public universities in the United States.

Since we first opened in 1908, we've been known for standout academics, sustainability and Aggie Pride as well as valuing the Northern California lifestyle. These themes are woven into our 100-plus-year history and our reputation for solving problems related to food, health, the environment and society.

Our 5,300-acre campus borders the city of Davis, a vibrant college town of about 68,000 people living in Yolo County. The state capital is 20 minutes away, and world-class destinations such as the San Francisco Bay Area, Lake Tahoe and the Napa Valley are within a two-hour drive.



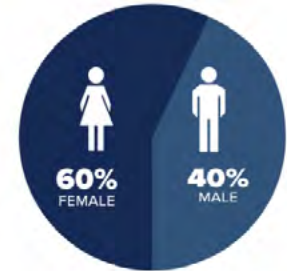
ABOUT UC DAVIS

AT A GLANCE

UC DAVIS



39,152 enrolled students



102
MAJORS



22,000 bicycles on campus a day



\$846 million
research funding for 2017-2018



101
GRADUATE PROGRAMS

ABOUT UC DAVIS

FAST FACTS

UCDAVIS



**1st in the world for
veterinary medicine**



**1st in the nation for
agriculture**



**1st in the nation for
diversity and
internationalization**



**2nd nationally among
Affordable Elite
Colleges**



**5th among public
universities in the U.S.**



**9th among U.S. institutions
granting undergraduate
degrees to students of**

ABOUT WIFSS

WHAT WE DO



The Western Institute for Food Safety and Security (WIFSS) is a University of California, Davis program of the School of Veterinary Medicine and the College of Agricultural and Environmental Sciences.

Since 2015, WIFSS has sponsored in-depth educational experiences for undergraduate, Ph.D. students, and faculty, to learn about the importance of applying a One Health approach to solving problems concerning food safety and security, and animal health. We have successfully sponsored One Health conferences for more than 500 participants including students and faculty from universities and vocational colleges throughout multiple provinces in China.



OUR MISSION

Our mission is to serve the global community by conducting research, developing training, and providing outreach programs that focus on safer, better quality food systems, water quality, and healthy animals, to safeguard the health and security of people, animals, and the environment.

WIFSS LEADERSHIP



BENNIE I. OSBURN

DVM, PhD, Dipl. ACVP

Director of Outreach and Training
Dean Emeritus, School of
Veterinary Medicine, UC Davis



MICHELE JAY-RUSSELL

DVM, MPVM, PHD, DIPL. ACVPM

Program Manager, Western
Center for Food Safety

CO-HOST

COLLEGE OF VETERINARY MEDICINE, CHINA AGRICULTURAL UNIVERSITY



CAU

China Agricultural University (CAU) is one of the top-ranked comprehensive and national key universities in China, with 3 campuses situated at Haidian District in the western suburb of Beijing.

Since established in 1905, developed to one of the best agricultural universities in China and the world, CAU covers a broad spectrum in both natural and social sciences, with more than 70,000 students from 19 colleges studying in 72 Undergraduate specialties, 149 MS Programs, and 105 PhD Programs.

With the motto of “To solve the problems of people’s livelihood, to educate the talent all over the world”, via continuous improvement in teaching and research work, CAU is dedicated to the advancement of agriculture, to the well-being of Chinese society, and to the development of the world.



CVM

The Veterinary Medicine is one of the oldest disciplines at China Agricultural University. Its history can be back to the Imperial University of Peking in Qing Dynasty that gave the first veterinary courses in 1905, while the College of Veterinary Medicine (CVM) was finally established in 1984.

We embrace the “One Health” concept with the mission to assure the health for animals, people, and the environment by advancing veterinary science. Over the past 36 years, the college has graduated nearly 2,000 veterinarians and thousands of scientists, making a great contribution to veterinary development in China and the world.

Adhering to the conviction of “One World, One Health, One Medicine”, we continue to fulfill a commitment to veterinary science whilst seeking to build a comprehensive learning experience. The college excels in both education and research, and has been ranked top in the discipline of Veterinary Medicine among veterinary colleges in China since 2008.



CONFERENCE DESIGN AND COORDINATION



DAVID GOLDENBERG
Food Safety and Security
Training Coordinator



CHRIS BRUNNER
Communications and
International Programs
Director



HEATHER JOHNSON
MS
Instructional Systems Designer



MICHAEL LUO
MS
Agricultural Extension
Education Specialist and
International Programs
Coordinator



SARA GARCIA
PHD
Project Scientist



GREGORY S. WLASIUK
MA
E-Learning Curriculum
Designer




RICHARD THOMPSON
Graphic Designer & Web
Developer

OVERVIEW

ABOUT THE CONFERENCE

UC Davis-WIFSS One Health Conferences provide an in-depth educational experience for undergraduate students around the globe to learn about the importance of applying a One Health approach to solving specific, complex problems that arise at the interface of people, animals, and the environment. Our One Health for food systems conferences motivate talented international students to address important societal problems in veterinary, food systems, animal, agriculture, and engineering sciences. By using innovative, interactive, and student-centered learning experiences students learn the value of taking an interdisciplinary approach to solving complex real-world problems through problem-based learning activities which develop critical thinking skills, problem-solving abilities, and communication skills. This One Health approach to solving problems is critical in promoting progress towards safer, better quality food systems and healthy animals and people around the world.



UC DAVIS
UNIVERSITY OF CALIFORNIA

ONE HEALTH

ZOONOTIC DISEASES IMPACT ON FOOD SYSTEMS

UC DAVIS EDUCATION CONFERENCE ON ONE HEALTH FOR FOOD SAFETY, AGRICULTURE, AND ANIMAL HEALTH

ONLINE
INTERACTIVE & GROUNDBREAKING
CONFERENCE

JULY 26 - AUGUST 6, 2021

- INTERACTIVE TEAM BUILDING
- COLLABORATIVE GROUP PROJECTS
- PROBLEM SOLVING SKILLS

ONE HEALTH COURSES

- ✓ Agricultural Engineering
- ✓ One Health
- ✓ Graduate Application
- ✓ Animal Science
- ✓ Food Science and Technology
- ✓ Agriculture and Environmental Science
- ✓ Epidemiology



FEATURES

- ✓ All-star faculty at UC Davis
- ✓ Multidisciplinary
- ✓ Multicultural participant
- ✓ International Young Scholars One Health Forum
- ✓ International Young Veterinary Forum



PAST SPEAKERS



MELISSA BAIN

Professor, Medicine and Epidemiology, School of Veterinary Medicine, University of California, Davis
DVM, University of Illinois College of Veterinary Medicine, Urbana, IL
MS, University of California School of Medicine, Davis, CA

Research Focus: Evaluating the effectiveness of prevention and treatment of problem behaviors, primarily in primarily companion animals, and the effects on the human-animal bond and humane care of animals.



BRIAN H. BIRD

Associate Director and Research Virologist, One Health Institute, Global Lead-Sierra Leone, PREDICT Project PI, PREEMPT MPH, Johns Hopkins University
DVM and Ph.D. in Virology, University of California, Davis

Area of Focus: Leads Ebola-related surveillance activities as part of the USAID-funded PREDICT program led by UC Davis. He is co-principal investigator for the Defense Advanced Research Project Agency (DARPA)-funded Preventing Emerging Pandemic Threats (PREEMPT) project at UC Davis.



DANIELA BRUNO

Dairy Advisory, University of California Agriculture and Natural Resources; Cooperative Extension, Fresno California
Ph.D. and M.S. degrees in Agricultural and Resource Economics from UC Davis and her B.S. degree (summa cum laude) in Management Science from UC San Diego.

Research Focus: In her current role, Dr. Bruno is developing an extension program that focuses on policy issues relevant to California's agriculture and natural resources.



CHRIS BRUNNER

Communications and International Programs Director, Western Institute for Food Safety and Security

Area of Focus: Liaison for WIFSS international programs and marketing for WIFSS, serving as link between WIFSS and two major Chinese programs involving hundreds of graduate and undergraduate students, and vocational college faculty. Facilitates consortium connecting WIFSS, Nanjing Agricultural University, Massey University in New Zealand, and Wageningen University and Research, The Netherlands.

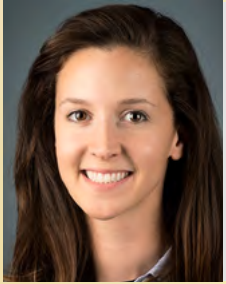
PAST SPEAKERS



DR. JAMES CULLOR

Professor Emeritus, Department of Population, Health and Reproduction, School of Veterinary Medicine, University of California, Davis
DVM, Kansas State University; Ph.D. in Comparative Pathology, University of California

Area of Focus: Works extensively throughout China talking to dairymen about how to maintain animal, public, and ecosystem health, and food safety. His research focus is mastitis, neonatal diseases, vaccines, novel antimicrobial compound development and testing, and studying novel methods for controlling pathogens in milk.



DR. SARAH DEPENBROCK

Assistant Professor, Medicine and Epidemiology, School of Veterinary Medicine, University of California, Davis
BS University of California, College of Biological Sciences, Davis, CA
DVM, University of California, School of Veterinary Medicine, Davis, CA
MS, The Ohio State University, Department of Veterinary Clinical Sciences

Research Focus: Pharmacokinetics of regional intravenous antimicrobial administration in livestock. Antimicrobial use and resistance in livestock, particularly as relates to bovine respiratory disease and calf management practices.



DR. ANDREA FASCETTI

Professor, Department of Molecular Biosciences, School of Veterinary Medicine, University, of California, Davis
VMD, University of Pennsylvania, Philadelphia, PA
PhD, University of California, Davis

Research Focus: Nutrition and metabolism in companion animal; nutritional idiosyncrasies of the cat; mechanisms of obesity; amino acid, nutrient requirements in cats and dogs; improvement of pet foods; veterinary clinical nutrition-the use of nutrition in the management and prevention of disease.



DR. SARA GARCIA

Project Scientist, Western Institute for Food Safety and Security, University of California, Davis
B.S. in Genetics and Ph.D. in Integrative Pathobiology, University of California, Davis

Research Focus: Food safety, microbiology, and molecular genetics. Dr. Garcia has worked with academic and industry partners to influence best practices and guidelines for the application of technology in food safety and food systems.

PAST SPEAKERS



DR. CHIYU GUAN

Associate Professor, College of Animal Science and Technology & College of Veterinary Medicine, Zhejiang A&F University
DVM, Kansas State University

Research Focus: Food animal, companion animal of clinical veterinary medicine



DR. ILANA HALPERIN

Health Sciences Assistant Professor of Clinical Medicine & Epidemiology, University of California, Davis
DVM, University of California, Davis, California
CVA, International Veterinary Acupuncture Society

Research Focus: Certification in Veterinary Acupuncture - International Veterinary Acupuncture Society



DR. KATE HOPPER

Professor, Surgical & Radiological Sciences, School of Veterinary Medicine, University of California, Davis
BVSc, University of Melbourne, Australia
MVS, University of Melbourne, Australia
Ph.D., University of California, Davis

Research Focus: Primary care and preventive veterinary medicine



DR. KRISTINA HORBACK

Assistant Professor, Department of Animal Science, University of California, Davis
M.A. in Experimental Psychology, University of Southern Mississippi, 2011
Ph.D. in Experimental Psychology, University of Southern Mississippi, 2012

Research Focus: Identification of personality traits among domestic farm animals and evaluation of relationship between personality and the assessment of an animal's physical and psychological welfare.

PAST SPEAKERS



DR. MICHELE JAY-RUSSELL

Program Manager for the Western Center for Food Safety, University of California, Davis
DVM, University of California, Davis
Ph.D. in Comparative Pathology, University of California, Davis

Research Focus: Food safety, public health, molecular epidemiology of environmental enteric pathogens from domestic and wildlife species affecting people.



MS. HEATHER JOHNSON

Instructional Systems Designer, Western Institute for Food Safety and Security
MS in Microbiology, University of California, Davis

Areas of Focus: Oversees the instructional design component of WIFSS training and educational projects in accordance with certification standards that meet local, state and federal agency requirements. She designs blended - learning educational materials specifically using principles of adult education.



DR. LEI LEI

Associate Professor, College of Animal Science and Technology & College of Veterinary Medicine, Zhejiang A&F University
Ph.D., China Agricultural University

Research Focus: Antimicrobial resistance



DR. WENTAO LI

Professor, College of Animal Sciences & Technology / College of Veterinary Medicine, Huazhong Agricultural University
B.S., Sichuan Agricultural University
Ph.D., Huazhong Agricultural University
Ph.D., Utrecht University

Areas of Focus: Researches on coronavirus, including virus invasion, isolation of new viruses, research and development of new vaccines and therapeutic monoclonal antibodies

PAST SPEAKERS



DR. BO LIU

Associate Professor, College of Veterinary Medicine, China Agricultural University
DVM, Kansas State University

Areas of Focus: Cardiology



DR. JINXIN LIU

Professor, College of Animal Science and Technology, Nanjing Agricultural University
B.S., Northwest A&F University
Ph.D., Washington State University
Postdoc, University of California, Davis

Areas of Focus: Studies on intestinal microbial and bacterial resistance, including resistance groups in the gastrointestinal tract and milk of dairy cows and their environmental transfer.



DR. YANHONG LIU

Assistant Professor of Animal Nutrition, Department of Animal Science, University of California, Davis
B.S., China Agricultural University,
M.S. in Animal Nutrition, China Agricultural University
Ph.D. in Animal Science, University of Illinois, Urbana-Champaign

Research Focus: Antimicrobial resistance of food-borne bacteria; alternatives to antibiotics in agricultural animal industry; evaluation of low-cost by-products or co-products from feed or food industry as feed ingredients for pigs.



DR. ZHENMIN LIU

Ph. D, Professor,
Director of State Key Laboratory of Dairy Biotechnology
Dean of Bright Dairy Research Institute
Bright Dairy & Food Co., Ltd., Shanghai, China

Areas of Focus: New dairy processing technologies, cheese, fermented dairy products and functional dairy products.

PAST SPEAKERS



DR. MAELI MELOTTO

Associate Professor and Vice-Chair of Agricultural Plant Biology, Department of Plant Sciences, University of California, Davis
M.Sc. in Plant Physiology and Biochemistry, University of São Paulo, Brazil
Ph.D. in Plant Breeding and Genetics, Michigan State University

Research Focus: Plant-pathogen interactions, understanding the close interaction between plants and human pathogens at the molecular level.



DR. FRANK MITLOEHNER

Professor and Air Quality Extension Specialist, Department of Animal Science, University of California, Davis
M.S., Agricultural Engineering and Animal Science, University of Leipzig, Germany
Grad studies, Animal Science, University of Goettingen, Germany
Ph.D., Animal Science, Texas Tech University, Lubbock, TX

Research Focus: Air quality (dust emission and microbial sampling in feedlot cattle and pigs), environmental physiology (heat stress in cattle and pigs), and ethology.



DR. BENNIE OSBURN

Director, Outreach and Training, Western Institute for Food Safety and Security
Dean Emeritus, School of Veterinary Medicine, University of California, Davis
DVM, Kansas State University
Ph.D. in Comparative Pathology, University of California, Davis
Post-Doctoral Fellowship, Johns Hopkins Medical School

Research Focus: Infectious diseases of livestock, zoonotic diseases, including foodborne pathogens, and the ecology of infectious agents.



DR. CATHERINE OUTERBRIDGE

Professor, Department of Medicine and Epidemiology, School of Veterinary Medicine, University of California, Davis
DVM, Ontario Veterinary College, Guelph, Ontario, Canada
MVSc and residency in small animal internal medicine, University of Saskatchewan, Saskatoon, SK, Canada
Diplomate: American College of Veterinary Dermatology; and American College of Veterinary Internal Medicine in small animal medicine

Research Focus: Areas of interest include all aspects of clinical dermatology but she has a particular interest in cutaneous manifestations of systemic disease, metabolic skin diseases, infectious skin disease and antimicrobial resistance, and feline genodermatoses.

PAST SPEAKERS



DR. ZHONGLI PAN

Adjunct Professor, Department of Biological and Agricultural Engineering, University of California, Davis

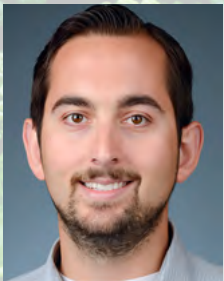
Research Focus: Development of innovative food processing technologies to enhance food quality and safety of fruits, vegetables, grains, and nuts, as well as to improve the efficiency of food processes. Dr. Pan studies infrared heating technology for various food processes, including blanching, peeling, roasting, drying, disinfection and disinfestation. He also uses ultrasonic and pulsed electric field technologies for improving food processing efficiency.



DR. PRAMOD PANDEY

Associate Agronomist and Associate Specialist in Cooperative Extension, Department of Population Health and Reproduction, School of Veterinary Medicine, University of California, Davis; and Assistant Cooperative Extension Specialist, Food Science and Technology M.S., Washington State University, Pullman, and M. Tech. at Indian Institute of Technology, Kharagpur; Ph.D. from Iowa State University, Ames

Research Focus: Pathogenic bacteria transport at watershed-scale, in-stream and overland bacteria transport, watershed modeling, anaerobic digestion, renewable energy, water resources management, and rainwater harvesting.



DR. RICHARD PEREIRA

Assistant Professor, Department of Population Health and Reproduction, School of Veterinary Medicine, University of California, Davis
Externship, Washington State University, Veterinary Teaching Hospital, Pullman, WA
BVSc, Federal University of Uberlandia, Uberlandia, MG, Brazil; Intern, University of Florida, Gainesville, FL; Resident Certificate, Cornell University Hospital for Animals (CUHA), Ithaca, NY
Ph.D., Cornell University, College of Veterinary Medicine, Ithaca, NY

Research Focus: Food Animal Herd Health & Reproduction; Epidemiology; Antimicrobial Resistance.



DR. ROBERT POPPENGA

Professor, California Animal Health and Food Safety Lab Molecular Biosciences, University of California, Davis
BS, Western Illinois University, Macomb, IL
DVM, University of Illinois, College of Veterinary Medicine, Urbana-Champaign, IL
PhD, University of Illinois, College of Veterinary Medicine, Urbana-Champaign, IL

Research Focus: Veterinary Clinical Toxicology, Diagnostic Veterinary Toxicology; Diagnostic testing methods for animal intoxications; wildlife toxicology; biomarker development to better define exposure to toxicants. Specialty Focus: Toxicology

PAST SPEAKERS



DR. JUAN PU

Professor of Animal Virology, Department of Preventive Veterinary Medicine, China Agricultural University
B.S., China Agricultural University
Ph.D., China Agricultural University

Research Focus: Epidemiological studies on animal influenza viruses, especially continuous studies on H9N2 subtype avian influenza viruses that have seriously endangered poultry populations in China; studies on the pathogenicity and cross-host transmission of influenza virus genes in search of viral virulence variants and molecular early warning signals of possible inter-mammalian epidemic.



DR. JORGE RODRIGUES

Professor, Department of Land, Air and Water Resources, University of California, Davis
M.Sc. in Microbiology, University of São Paulo, Brazil
Ph.D. in Crop and Soil Sciences and Environmental Toxicology, (Minor) Microbial Ecology (Dual Degree) - Michigan State University

Research Focus: Nature and ecology of microbial processes of importance in nature and of value to mankind; span from biological regulation of biogeochemical cycle and natural and agricultural ecosystems to microbial diversity and functionality in the hindguts.



DR. YONGYI SHEN

Professor, College of Veterinary Medicine, South China Agricultural University
Ph.D., The Chinese Academy of Sciences

Research Focus: Emerging infectious diseases and patho-ecology, such as the evolution of coronaviruses and avian flu viruses, the population evolution of viruses, first person who proposed that Malay pangolins carried a SARS-CoV-2-like virus.

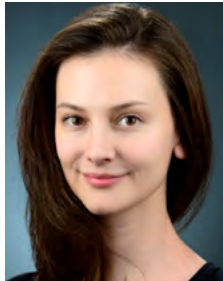


DR. HOUHUI SONG

Dean, Professor, College of Veterinary Medicine, College of Animal Science and Technology, Zhejiang A&F University
Ph.D., Chinese Academy of Sciences

Research Focus: The pathogenic mechanism of gram-positive intracellular bacteria; zoonosis epidemiology and functional genomics; hygiene and safety of animal food; and research on the prevention and control mechanism of animal critical capsular virus.

PAST SPEAKERS



DR. DEMITRIA VASILATIS

Postdoc and T32 Fellowship recipient in Comparative Medicine, University of California Davis
DVM, College of Veterinary Medicine, University of Florida
Residency, Veterinary Medicine Teaching Hospital, University of California, Davis

Research Focus: Integrative Pathobiology



DR. WILLIAM VERNAU

Professor, Department of Pathology, Microbiology & Immunology, School of Veterinary Medicine, University of California, Davis
BSc, and BVMS, Murdoch University, Perth, Western Australia
DVSc, University of Guelph, Guelph, Ontario, Canada
PhD, University of California at Davis, Davis, CA, USA

Research Focus: Clinical, phenotypic and molecular characterization of hemic neoplasia in dogs and cats, some types of which mimic the behavior of their human counterparts and thus have additional comparative biomedical significance. General veterinary clinical pathology with an emphasis on veterinary hematology and cytology, particularly immunophenotyping and diagnostic immunocytochemistry, and the diagnostic assessment of cerebrospinal fluid.



LUXIN WANG

Associate Professor, Food Science and Technology, University of California, Davis
Ph.D. University of Missouri

Research Focus: Microbial safety of fresh produce, aquaculture products and animal products. Her program uses conventional microbiological technologies and new precision approaches, such as comparative genomics and metagenomics, to study the behavior of foodborne pathogens and their interactions with the background microbiome.



DR. YUNFEI XIE

Deputy Dean, Professor, College of Food Science and Technology, Jiangnan University
B.S., Jilin University
Ph.D., Jilin University

Research Focus: Food safety and quality control, including the development of methods and solutions of food safety on-site rapid detection, and the development of plant-derived preservatives and fruit and vegetable preservation research.

PAST SPEAKERS



DR. ZHEN YANG

Associate Professor, College of Veterinary Medicine, Nanjing Agricultural University
B.S., South China Agricultural University
DVM, University of Minnesota

Research Focus: Population Medicine of Swine and Cattle; Animal Epidemiology and cross-border animal infectious diseases.



DR. FENG YU

Associate Professor, College of Veterinary Medicine, China Agricultural University
DVM, University of California, Davis

Research Focus: Small animal internal medicine



DR. JIN ZHANG

Associate Professor, Department of Surgical & Radiological Sciences, School of Veterinary Medicine, University of California, Davis
BS, Anhui University, China
MS, Zhejiang University, China
PhD, Fudan University, China

Research Focus: Dr. Zhang studies the p53 family proteins and their targets and how these proteins contribute to tumor suppression and tumorigenesis in vitro and in vivo.

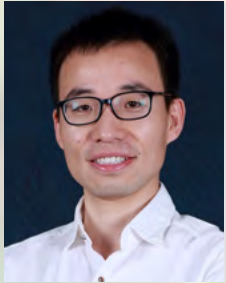


DR. LEI ZHOU

Associate Professor, Department of Preventive Veterinary Medicine, China Agricultural University
Postdoc, Virginia Tech

Research Focus: Molecular mechanism of RNA viral replication and pathogenesis, epidemiology of emerging or re-emerging viral disease and development of novel vaccines against swine viral disease.

PAST SPEAKERS



DR. KUI ZHU

Professor, Department of Basic Veterinary Medicine, China Agricultural University
Ph.D., University of Munich
Postdoc, Duke University

Research Focus: Research and development of new antibacterial drugs and synergist, improve the host-oriented antibacterial efficacy, development of probiotics antibacterial substitutes, to ensure human health and safety of animal-derived food.

OUR FRIENDS



CORE OBJECTIVES

Our conference is based on problem-based learning. Lectures, team-building exercises and field trips have been the cornerstone of our One Health Conference since 2015. The three-fold mission of our conference is to: raise awareness, encourage team building, and bring about change through calls to action.

We welcome students who participate in this online conference to come to a conference on the UC Davis campus when it is safe to travel.



RAISE AWARENESS

Awareness of the concept of One Health makes it clear that this multidisciplinary approach is essential to solving serious foodborne illness and security problems affecting the world's population.



TEAM BUILDING

Team building is encouraged during the conferences through collaborative group projects where problem-solving skills are put to the test.

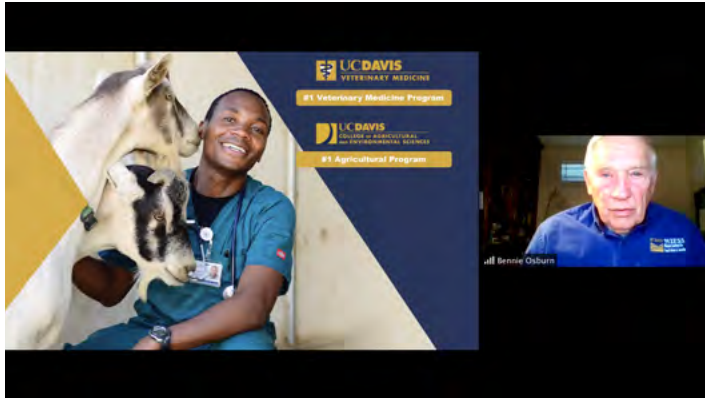


CALL TO ACTION

Students are challenged to consider something they can do to help improve food safety, animal health or environmental problem which they identify in group discussions.



CONFERENCE SCHEDULE



ONE HEALTH INTERDISCIPLINARY EDUCATION MORNING SESSION

During our **One Health Interdisciplinary Education Morning Session**, students interface online with respected professors from UC Davis School of Veterinary Medicine, the College of Agricultural and Environmental Sciences and professors from partner colleges, including China Agricultural University (CAU), Zhejiang Agricultural and Forestry University, (ZAFU), and Wageningen University, The Netherlands. In addition to lectures, students will participate in team building exercises led by experienced subject matter experts and UC Davis students. Students from agricultural and veterinary colleges throughout China will have the chance to work together on team-building activities and build friendships through problem-based learning projects.



INTERNATIONAL YOUNG SCHOLARS ONE HEALTH FORUM

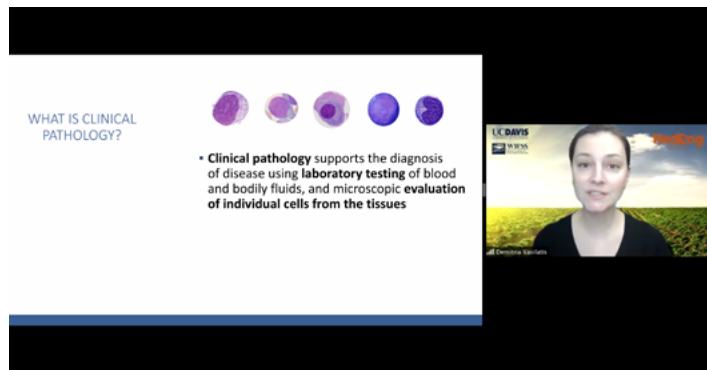
The conference features an **International Young Scholars One Health Forum** during the afternoons which showcase professors and young scholars from the field of Veterinary Medicine, Animal Science, and Food Science, from around the world. Speakers report on their outstanding scientific research and discuss the relationship between their work and taking a One Health approach that recognizes that the health of people is closely connected to the health of animals and our shared environment. The students understand that One Health is rooted in the knowledge of the interdependence of human and natural systems and promoting interdisciplinary collaboration. Some of the global issues One Health works to address include environmental contamination, habitat use conflicts, biodiversity loss, emerging infectious diseases, antimicrobial resistance, and ecosystem function degradation.

CONFERENCE SCHEDULE



THE CLINICAL DAY

The highly successful one-day online Clinical Veterinary Forum features DVM graduates from Chinese and US veterinary colleges, and residents or faculty from UC Davis who share clinical veterinary knowledge, concepts and trends in clinical medicine and surgery as it relates to One Health. The 11th Veterinary Clinical Day of One Health attracted an audience of more than 11,000 people, which included students and practicing veterinarians throughout China earlier this year.



INTERNATIONAL YOUNG VETERINARY FORUM

The one-day Clinical Veterinary Forum held during the winter online conference was so highly popular we are inaugurating the International Young Veterinary Forum at this summer conference. The mission of this forum is to introduce the value of One Health to more practicing veterinarians who are interested in learning new clinical knowledge and skills. Real cases are shown to the audience the role veterinarians play in One Health and how important it is for animal and human health and welfare

GLOBAL PARTICIPATION



SUCCESS STORIES

BEYOND THE CONFERENCE

The One Health Conference has been a life-changing experience for many who have attended. Several past participants have gone on to continue their education and further their understanding of One Health at premiere universities around the world!



LU TAOTAO

- MPVM (Master of Preventive Veterinary Medicine)
- School of Veterinary Medicine UC Davis
- One Health Conference 2018



LU YANAN

- Master of Viticulture College of Agriculture and Life Sciences Cornell University
- One Health Conference 2018



PENG JINGWEN

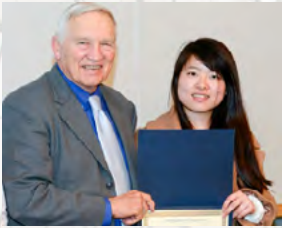
- DVM (Doctor of Veterinary Medicine)
- School of Veterinary Medicine KSU
- One Health Conference 2016

TESTIMONIALS



“Through this conference, I learned teamwork was quite indispensable.”

- PEI TONGTONG



“In Davis, I saw the other way of teaching that is very different from the way of China, which is more like great communication between students, there is no right or wrong but “ Good question.” It’s the new ability I learned in Davis that smiling to everything.”

- XU JIEV



“If we can’t ensure the safety of our food, then what else can we promise? I hope to see a world with safer food through our efforts.”

- CHEN HAO



“The program made me love science and scientific research. I want to use my power to create a better world.”

- XU YIFWEN



TEAM POSTERS

THE SEEDS



ONE HEALTH VISUAL

WHAT IS ONE HEALTH?

- collaborative, multi-sectional, trans-disciplinary
- It is committed to combining human medicine, veterinary medicine and environmental science
- seeks to improve the survival and quality of life of humans and animals.

THE TEAM MEMBERS





Jorah Jiang



Jean Mu



Kirsty Li



Doris Chen



Ray Zhang



Emily Zhou

One Health

coco Jan Chloe Mandy Tina



Our Team: GP8
-GENIUS PEOPLE 8

Member:
HZAU-Mandy/Giselle CAU-Tina/Coco NJAU-Alan
ZAFU-Chloe SCAU-Jane

ONE has tremendous strength!

ONE HEALTH

One health is the concept that the health of humans, animals, and the environment are interconnected.



Animal



Environment



People



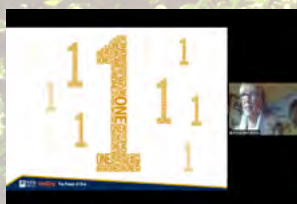
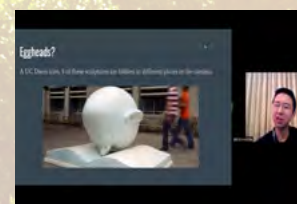
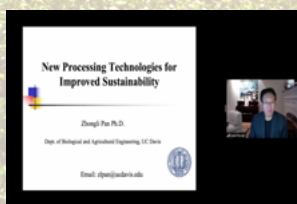
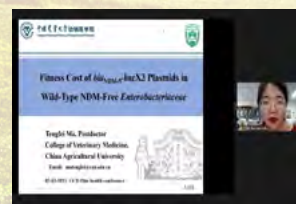
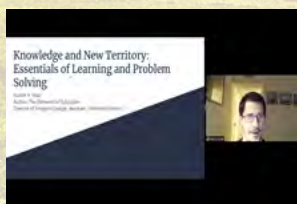
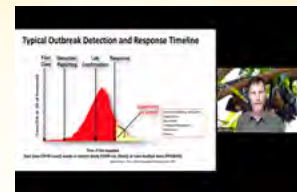




Hope
Of
World



EXPERIENCE UC DAVIS
REGISTER TODAY!



APPLICATION

Fees & Expenses

Program Fee: \$2000

For students who have gotten a recommendation from their college

Scholarships can be up to \$600

Application Time

1 June 2021

Begin online application by college partners

15 June 2021

Begin online application on WIFSS website

19 July 2021

Application deadline

26 July 2021

One Health Summer Conference Begins

Requirements

Minimum GPA: 2.8 (4.0)

English:

CET-4: 470 and above

CET-6: 430 and above

IELTS: 6.0 and above

TOEFL: 80 and above

If you do not meet one of the English requirements above, you can also attend an English interview with WIFSS to also be considered.

Suggested Majors

Veterinary Medicine

Animal Science

Food Science

Agriculture

Engineering

Public Health

Social Sciences

Economics

REGISTRATION

For more information or to register for this conference, please visit:

<http://www.wifss.ucdavis.edu/onehealthsummer21/>

PROGRAM COORDINATORS



CHRIS BRUNNER

COMMUNICATIONS AND INTERNATIONAL PROGRAMS DIRECTOR

Chris Brunner is liaison for WIFSS international programs and manages communications and marketing for WIFSS. She serves as the connection between WIFSS and two major Chinese programs involving hundreds of graduate and undergraduate students, and vocational college faculty. She plays an important public relations role in the consortium linking WIFSS, Nanjing Agricultural University, Massey University in New Zealand, and Wageningen University and Research, The Netherlands. In her role as a leader in communications and marketing over the last 6 years, she helped advance the development of a new Website. She writes blogs for Breaking News, and the Newsletter, and actively promotes news about WIFSS research and programs on social media. She has been instrumental for WIFSS's programs receiving notoriety locally as well as internationally.



cmbrunner@ucdavis.edu



MICHAEL LUO

MS

EDUCATION SPECIALIST AND INTERNATIONAL PROGRAMS COORDINATOR

Michael Luo is affiliated with UC Davis Western Institute for Food Safety and Security. He has supported the Education Conferences for One Health for Food Safety and Security as assistant to the Conference Coordinator since 2015. Mr. Luo facilitates in Problem-based Learning team building exercises, and lectures on communication skills.

With an M.S. in Agriculture Extension Mr. Luo shares concepts on agricultural extension education with students attending the One Health conferences. In his career with WIFSS, Mr. Luo promotes the One Health concept on a global basis.



mikluo@ucdavis.edu



ONE HEALTH

ZOONOTIC DISEASES IMPACT ON FOOD SYSTEMS

UC DAVIS EDUCATION CONFERENCE ON ONE HEALTH FOR FOOD SAFETY, AGRICULTURE, AND ANIMAL HEALTH

