



**UCDAVIS**  
UNIVERSITY OF CALIFORNIA

# ONE HEALTH

*for future global health*

Online Schedule 线上会议日程安排  
JULY 17-28, 2023



## 2023 Summer Conference - Description

*The 2023 One Health Conference for Future Global Health summer conference is a first-of-its-kind hybrid conference hosted by the University of California, Davis, Western Institute for Food Safety and Security, (WIFSS). Joining WIFSS as co-hosts are China Agricultural University (CAU), the honorable Chinese Consortium for One Health (CCOH), and the Global One Health Research Partnership (GOHRP) of Nanjing Agricultural University (NAU), Massey University, New Zealand, Wageningen University and Research (WUR), and UC Davis.*

### ***In-depth Educational Experience***

*This is an in-depth educational experience for undergraduate and graduate 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.*

*The hybrid conference offers our successful two-week online session from July 17 – 28, with the additional opportunity for students to attend a one-week on-site session in Hainan, China, July 30 – August 5. The conference raises awareness of the concept of One Health by instilling confidence to build multidisciplinary teams to solve problems and it inspires participants to take action to address complex problems that arise at the interface of animals, humans, and the environment.*

### ***Working Together – Building Friendships***

*In addition to lectures, participants will take part in team building exercises led by experienced subject matter experts and graduate students from UC Davis. Students from agricultural and veterinary colleges throughout the world will have the chance to work together on team-building activities and build friendships through problem-based learning projects. The onsite session in Hainan provides the opportunity for a One Health hands-on learning experience that highlights the connection between ecosystems, plants, animals, and humans.*

## 2023 夏季培训会议介绍

2023 年“One Health Conference for Future Global Health”夏季会议是由加州大学戴维斯分校下属的西部食品安全与保障研究所 (WIFSS) 主办的首次多国专家会议。与 WIFSS 共同主办的还有中国农业大学 (CAU)、中国全健康联盟 (CCOH)、南京农业大学 (NAU) 以及One Health全球研究合作体(GOHRP)、新西兰梅西大学、荷兰瓦赫宁根大学与研究中心 (WUR) 和加州大学戴维斯分校。

### 沉浸式学习体验

对于全球本科生和研究生来说，这是一次沉浸式学习体验，让他们了解应用“One Health”方法来解决人、动物和环境之间出现的具体、复杂问题的重要性。

此次多国专家会议将于 7 月 17 日至 28 日之间举办为期两周的在线讲座，学生还有机会参加 7 月 30 日至 8 月 5 日在中国海南举行的为期一周的现场研学。通过建立多学科团队来树立学生们解决负责问题的信心，和灌输“One Health”的概念，它激励与会者采取行动解决动物、人类和环境之间出现的复杂问题。

### 共同努力 建立友谊

除了讲座之外，与会者还将参加由加州大学戴维斯分校经验丰富的主题专家和研究生主持的团队练习。来自世界各地农业和兽医学院的学生将有机会共同开展团队建设活动，并通过基于问题的学习项目建立友谊。海南的现场研学着重于实地考察生态系统、植物、动物和人类之间的联系，是实践“One Health”理念的绝佳机会。

## ABOUT THIS CONFERENCE

*UC Davis Western Institute for Food Safety & Security is pleased to extend an invitation to the 2023 One Health Conference for Future Global Health. This is an exclusive educational experience for undergraduate and graduate 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. We look forward to meeting you!*

美国加州大学戴维斯分校西部食品安全与安全研究所（WIFSS）将在2023年夏季举办新一届的*One Health*网络研讨会。此次会议的主题是*Future Global Health*。

大会邀请联合主办的6所世界顶级大学的*One Health*专家在线分享和交流，旨在促进*One Health*领域的知识传播和跨学科合作，是一场名副其实的*One Health*学术盛宴。与会者将近距离聆听权威专家的精彩演讲，参与互动环节，全面提升对*One Health*理念的理解。

WIFSS携手所有合作单位，衷心邀请您参加这场盛会，一同探索*One Health*的挑战与未来。期待与您相见！

## CONFERENCE INITIATORS



**DR. BENNIE OSBURN**

Emeritus Dean, School of Veterinary Medicine, UC Davis

Director of Outreach and Training, at the Western Institute for Food Safety and Security (WIFSS).



**MS. CHRIS BRUNNER**

Emeritus communications and international programs director, Western Institute for Food Safety and Security, University of California, Davis



Time	Subject	Speakers
8:00 – 8:10 a.m.	Welcome speech	<b>Dr. Bennie Osburn</b> Director, Outreach and Training, Western Institute for Food Safety and Security, Dean Emeritus, School of Veterinary Medicine, University of California, Davis (UCD)
8:10 – 8:20 a.m.	Opening Remarks	<b>Dr. Jianzhong Shen</b> Academician of Chinese Academy of Engineering, Dean, College of Veterinary Medicine, China Agricultural University (CAU)
8:20 – 8:40 a.m.	Welcome and Overview of One Health Research and Education at Shanghai Jiao Tong University	<b>Dr. Xiaonong Zhou</b> Dean, School of Global Health, Chinese Center for Tropical Diseases Research, Shanghai Jiao Tong University School of Medicine
8:40 – 9:00 a.m.	Welcome and Overview of One Health Research and Education at China Agricultural University	<b>Dr. Jun Han</b> Associate Dean for Research and International Communications and Professor of Virology, Department of Preventive Veterinary Medicine, College of Veterinary Medicine, CAU
9:00 – 9:20 a.m.	Welcome and Overview of One Health Research and Education at Nanjing Agricultural University	<b>Dr. Yingjuan Qian</b> Professor, Preventive Veterinary Medicine, NAU-UC Davis Joint One Health Center, Nanjing Agricultural University (NAU)
9:20 – 9:30 A.M.	<b>GROUP PHOTO &amp; BREAK</b>	

Time	Subject	Speakers
9:30 – 10:20 a.m.	Introduction of One Health	<b>Dr. Bennie Osburn</b> Director, Outreach and Training, Western Institute for Food Safety and Security, Dean Emeritus, School of Veterinary Medicine, UCD
10:20 – 10:30 a.m.	BREAK	
10:30 – 11:00 a.m.	The Power of One	<b>Ms. Chris Brunner</b> Emeritus, Communications and International Programs Director, Western Institute for Food Safety and Security, UCD
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	<b>Teamwork 1 Discussion Session</b> Meet Your Team Introduction of One Health Case Study – Learn How the One Health Approach Solves the Problem. Exploring the problem and finding resources to research the problem	<u>UC Davis Facilitators:</u>
2:00 – 2:50 p.m.	Introduction of NAU One Health Youth Club and One Health Lunch Challenge	<b>Ms. Linyun Gao</b> President of NAU One Health Youth Club, Student, College of Veterinary Medicine, NAU
2:50 – 3:40 p.m.	One Health Development in Europe and Training Programs at Wageningen University & Research	<b>Dr. Wim van der Poel</b> Global One Health Leader, Wageningen University & Research (WUR)

# CONFERENCE SCHEDULE

WEEK 1: TUESDAY, JULY 18

Time	Subject	Speakers
8:00 – 9:00 a.m.	Overview of Bartonellosis in Companion Animals	<b>Dr. Bruno Chomel</b> Professor Emeritus, Department of Population Health & Reproduction, School of Veterinary Medicine, UCD
9:00 – 10:00 a.m.	Application of Spatiotemporal Modeling to Study Infectious Disease Dynamics	<b>Dr. Jose Pablo Gomez-Vazquez</b> Postdoctoral Researcher Center for Animal Disease Modeling and Surveillance (CADMS), Department of Veterinary Medicine & Epidemiology, School of Veterinary Medicine, UCD
10:00 – 11:00 a.m.	Disruptive Ecosystem Impact on Soils	<b>Dr. Jorge Rodrigues</b> Professor, Department of Land, Air and Water Resources, UCD
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	Habitat Fragmentation, Biodiversity Loss and Infectious Disease Emergence Risk	<b>Dr. Renata de Lara Muylaert</b> Molecular Epidemiology Laboratory, School of Veterinary Science, Massey University
1:50 – 2:40 p.m.	Harnessing Rhizosphere Microbiome for One Health	<b>Dr. Zhong Wei</b> Professor, College of Resources and Environmental Sciences, NAU
2:40 – 3:30 p.m.	Soil Pollution and Food Safety	<b>Dr. Fangjie Zhao</b> Professor, College of Resources and Environmental Sciences, NAU 2022 IFA Norman Borlaug Plant Nutrition Award Winner

## CONFERENCE SCHEDULE

WEEK 1: WEDNESDAY, JULY 19

Time	Subject	Speakers
8:00 – 9:00 a.m.	Introduction of Problem-Based Learning and Overview of One Health Poster Project	<b>Ms. Heather Johnson</b> Instructional Designer, Western Institute for Food Safety and Security, UCD
9:00 – 10:00 a.m.	How Evidence-based Medicine can be used to Address Small Animal Health Issues	<b>Dr. Philip Kass</b> Professor, Department of Population Health & Reproduction, School of Veterinary Medicine, UCD
10:00 – 11:00 a.m.	One Health Connection for Causes and Treatments of Animal and Human Cancers	<b>Dr. Jin Zhang</b> Associate Professional Researcher, Department of Surgical and Radiological Sciences, UCD
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	Essay Writing	<b>Dr. June Barrera</b> DVM, MPVM Candidate, School of Veterinary Medicine, UCD
2:00 – 2:50 p.m.	One Health Disease Surveillance Technologies	<b>Dr. José Gonzales</b> Researcher in Epidemiology, Wageningen Bioveterinary Research, WUR
2:50 – 3:40 p.m.	The Social Epidemiology of Zoonotic Risk	<b>Dr. Spencer Moore</b> Professor and Chair of the Health & Society Group, Department of Social Sciences, Wageningen University & Research



# CONFERENCE SCHEDULE

WEEK 1: THURSDAY, JULY 20

Time	Subject	Speaker / Group
8:00 – 9:00 a.m.	Wildlife Programs at the One Health Institute, University of California, Davis	<b>Dr. Kirsten Gilardi</b> Professor in Health Science Clinical, Department of Medicine & Epidemiology, School of Veterinary Medicine, UCD
9:00 – 10:00 a.m.	Development of a Risk Assessment for Bovine Respiratory Disease (BRD) in Dairy Calves	<b>Dr. Sharif Aly</b> Professor and Agronomist, Department of Population Health & Reproduction, School of Veterinary Medicine, UCD
10:00 – 11:00 p.m.	Companion Animal Behavior at the University of California, Davis	<b>Dr. Melissa Bain</b> Professor, Department of Medicine and Epidemiology, School of Veterinary Medicine, UCD
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	<b>Teamwork 2 Discussion Session</b> Building an Interdisciplinary Collaboration Group - Emphasizing Interdisciplinary Cooperation, which is an Approach to Address Public Safety Issues	<u>UC Davis Facilitators:</u>
2:00 – 2:50 p.m.	A One Health Approach for Leptospirosis Detection/Surveillance in New Zealand	<b>Dr. Sha Nisa</b> , Molecular Epidemiology Laboratory, School of Veterinary Science, Massey University
	Who Gets Leptospirosis? Profiles of Notified Leptospirosis Cases in Aotearoa New Zealand	<b>Dr. Jackie Benschop</b> , Molecular Epidemiology Laboratory, School of Veterinary Science, Massey University
	Contracting Leptospirosis in the Workplace and Its impact on livelihoods	<b>Dr. Gerard Prinsen</b> , School of People Environment & Planning, Massey University

## CONFERENCE SCHEDULE

WEEK 1: FRIDAY, JULY 21

Time	Subject	Speakers
8:00 – 9:00 a.m.	Communicating Scientific Research to the Public	<b>Ms. Heather Johnson</b> Instructional Systems Designer, Western Institute for Food Safety and Security, UCD
9:00 – 11:00 p.m.	One Health Poster Review	<b>Graduate and Undergraduate Student Teams</b>
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	Vector-borne Diseases and Its Transmission by Migrating Birds	<b>Dr. Yuan Fang</b> Associate Professor, School of Global Health, Chinese Center for Tropical Diseases Research, Shanghai Jiao Tong University Assistant Researcher, National Institute of Parasitic Diseases at China CDC
1:50 – 2:40 p.m.	One Health Approach Implemented in Schistosomiasis Elimination in China	<b>Dr. Jing Xu</b> Researcher, Director of Schistosomiasis Laboratory, National Institute of Parasitic Diseases at China CDC
2:40 – 3:30 p.m.	Challenges, Landscape and Outlook for AMR in the Future	<b>Dr. Yang Wang</b> Professor and Director of Key Laboratory of Animal Antimicrobial Resistance Surveillance, Ministry of Agriculture and Rural Affairs, P. R. China, College of Veterinary Medicine, CAU

## CONFERENCE SCHEDULE

WEEK 2: MONDAY, JULY 24

Time	Subject	Speakers
8:00 – 9:00 a.m.	Precision Technology for Dairy Cattle	<b>Mr. Jason Osburn</b> West Territory Sales Manager, Afimilk
9:00 – 10:00 a.m.	The Role of Diagnostic Laboratories for Surveillance	<b>Dr. Jennine Ochoa</b> California Animal Health and Food Safety Laboratory, Tulare, UCD
10:00 – 11:00 p.m.	Leptospirosis as a One Health Issue in Companion Animals	<b>Dr. Jane Sykes</b> Professor, Department of Medicine and Epidemiology, School of Veterinary Medicine, UCD
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	<b>Teamwork 3 Discussion Session</b> Structure of the Final Presentation – Determining One Health Issue, the Approach to Address the Problem, and the Short-term and Long-term Solutions	<u>UC Davis Facilitators:</u>
2:00 – 2:50 p.m.	Emerging transboundary and neglected tropical diseases	<b>Dr. Vish Nene</b> Animal and Human Health Co-leader, International Livestock Research Institute (ILRI), CGIAR

## CONFERENCE SCHEDULE

WEEK 2: TUESDAY, JULY 25

Time	Subject	Speakers
8:00 – 9:00 a.m.	Nutrition and GI Diseases in Pigs	<b>Dr. Yanhong Liu</b> Associate Professor in Animal Nutrition, Department of Animal Science, UCD
9:00 – 10:00 a.m.	Public Health Leadership in Coordinating a One Health Approach to Preventing and Preparing for Pandemics Stemming from Novel, Emerging Zoonotic Diseases	<b>Dr. Marguerite Pappaioanou</b> Affiliate Professor and Associate Director, Center for One Health Research, Department of Environmental and Occupational Health Sciences, School of Public Health, University of Washington
10:00 – 11:00 a.m.	Impact of Infectious Diseases on Humans, Animals and Food Security, and Control Technology Innovations	<b>Dr. Lorne Babiuk</b> Professor, Faculty of Agricultural, Life and Environmental Science, University of Alberta, Canada Fellow of the Royal Society of Canada
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	The Presence and Abundance of Zoonotic Organism in Drainage Water Under Sheep Grazing	<b>Dr. Lydia Cranston</b> School of Agriculture and Environment, Massey University
	Advances in Land and Water Science to Inform One Health Outcomes	<b>Dr. Ranvir Singh</b> Environmental Sciences Group, School of Agriculture & Environment, Massey University
1:50 – 2:40 p.m.	One Health Genomics: Understanding Zoonoses in a Food Production System	<b>Dr. Patrick Biggs</b> Molecular Epidemiology Laboratory, School of Veterinary Science, Massey University

## CONFERENCE SCHEDULE

WEEK 2: WEDNESDAY, JULY 26

Time	Subject	Speakers
8:00 – 9:00 a.m.	One Health Approach to Mastitis Control in a Developing Country	<b>Dr. Sara Garcia</b> Assistant Project Scientist, Department of Population Health and Reproduction, School of Veterinary Medicine, UCD
9:00 – 10:00 a.m.	Flushing the Toilet Contributes to the Public Good – Wastewater Based Surveillance for COVID-19	<b>Dr. Xiaoli (Lilly) Pang</b> Professor, the Department of Laboratory Medicine and Pathology, University of Alberta, Edmonton, Canada
10:00 – 11:00 p.m.	Overview of Public Health Related to Foodborne Diseases Associated with Produce	<b>Dr. Michele Jay-Russell</b> Program Manager, Western Center for Food Safety, UCD
<b>11:00 – 1:00 p.m.</b>	<b>LUNCH BREAK</b>	
1:00 – 1:50 p.m.	One Health Research & Capacity Building at Massey University	<b>Dr. Joanna McKenzie</b> Molecular Epidemiology Laboratory, School of Veterinary Science, Massey University  <b>Dr. Art Subharat</b> EpiCentre, School of Veterinary Science, Massey University
1:50 – 2:40 p.m.	Overview of One Health Programs and Research in ILRI, CGIAR	<b>Dr. Bernard Bett</b> ILRI (CGIAR), OH program
2:40– 3:30 p.m.	One Health: Human-Wildlife Interfaces	<b>Ms. Yang Zhang</b> Policy Initiative Director, Wildlife Conservation Society (WCS) China Program

## CONFERENCE SCHEDULE

WEEK 2: THURSDAY, JULY 27

Time	Subject	Speakers
8:00 – 9:00 a.m.	Overview of the Importance of Animal Waste in a Sustainable Environment	<b>Dr. Pramod Pandey</b> Associate Agronomist and Associate Specialist in Cooperative Extension, Department of Population Health and Reproduction, School of Veterinary Medicine, UCD
9:00 – 11:00 a.m.	Wheel of One Health	<b>Ms. Heather Johnson</b> Instructional Systems Designer, Western Institute for Food Safety and Security, UCD  <b>Mr. Tatao Lu</b> PhD candidate in Epidemiology, One Health Training Program Facilitator UCD
11:00 – 1:00 p.m.	LUNCH BREAK	
1:00 – 2:30 p.m.	<b>Teamwork 4 Discussion Session</b> Preparation for the Final Reports	<u><b>UC Davis Facilitators:</b></u>



## CONFERENCE SCHEDULE

WEEK 2: FRIDAY, JULY 28

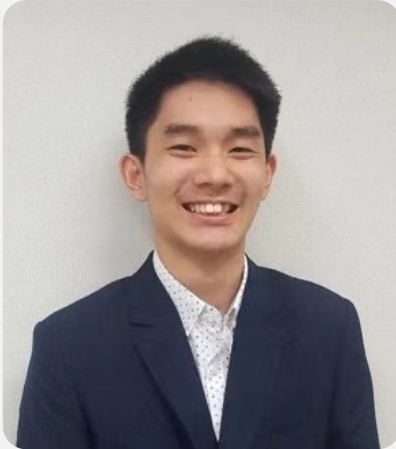
Time	Subject	Speakers
9:00– 9:20 a.m.	Closing Remarks	<b>Dr. Bennie Osburn</b> Director, Outreach and Training, Western Institute for Food Safety and Security, Dean Emeritus, School of Veterinary Medicine, UCD
9:20– 9:30 a.m.	Closing Remarks	<b>Dr. Xiaonong Zhou</b> Dean, School of Global Health, Chinese Center for Tropical Diseases Research, Shanghai Jiao Tong University School of Medicine
9:30 – 9:38a.m.	Closing Remarks	<b>Dr. Jun Han</b> Associate Dean for Research and International Communications and Professor of Virology, Department of Preventive Veterinary Medicine, College of Veterinary Medicine, CAU
9:38 – 9:46a.m.	Closing Remarks	<b>Dr. Yingjuan Qian</b> Professor, Prevention of Preventive Veterinary Medicine, NAU-UC Davis One Health Center, NAU
9:50 – 10:30 a.m.	Team Final Reports	Teams to Be Announced
<b>10:30 – 10:45 a.m.</b>	<b>Break</b>	
10:45 – 11:15 a.m.	Team Final Reports	Teams to Be Announced
11:15 – 12:00 p.m.	Certificate Ceremony	

## UCD CONFERENCE FACILITATORS



**Eric Arreola**

Post-doc in Biochemistry,  
molecular and cellular  
developmental biology



**Peerawat Chintrakulchai**

PhD candidate in  
Epidemiology



**June Barrera**

DVM, MPVM Candidate



**Marta Carreño Gútiez**

PhD candidate in  
Epidemiology



**Katie Lee**

PhD candidate in  
Epidemiology

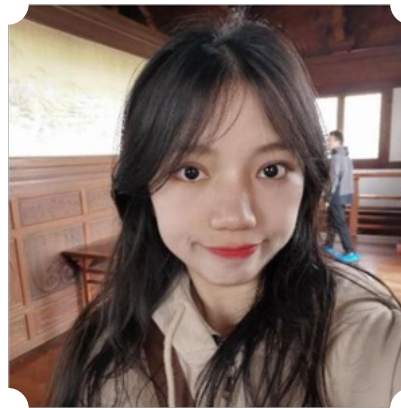
## NAU CONFERENCE COORDINATORS



Anqi Liu (Joy)



Linyu Gao



Xinyu Zhou



Yinuo Li



Manchen Gao



Wan Peng



Xinyu Guan



Shuxiao Ma

# UNITED CERTIFICATE FROM

## Global One Health Research Partnership Members



University of California,  
Davis, USA



Nanjing Agricultural  
University, China



Wageningen University &  
Research, Netherland



Massey University  
New Zealand

## Cohosts in China



Chinese Consortium for  
One Health, China



China Agricultural  
University, China





**UCDAVIS**  
UNIVERSITY OF CALIFORNIA

# ONE HEALTH

*for future global health*

**SPEAKER BIOS 演讲者介绍**

**JULY 17-28, 2023**

## ABOUT THIS CONFERENCE

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## CONFERENCE INITIATORS



**DR. BENNIE OSBURN**

Emeritus Dean, the School of Veterinary Medicine,  
UC Davis

Director of Outreach and Training, at the Western  
Institute for Food Safety and Security (WIFSS).



**MS. CHRIS BRUNNER**

Emeritus communications and international  
programs director, Western Institute for Food Safety  
and Security, University of California, Davis



## CONFERENCE SPEAKERS



DR. SHARIF ALY

Professor and Agronomist, Department of Population Health & Reproduction, School of Veterinary Medicine, University of California, Davis

BVSc, University of Cairo, Egypt

GCE, University of London,

IGCSE, University of Cambridge

PhD, University of California, Davis, CA

MPVM, University of California, School of Veterinary Medicine, Davis, CA

Residency, University of California, School of Veterinary Medicine, Davis, CA

Internship, University of Idaho, Caine Veterinary Teaching Center

Aly is a Professor of Epidemiology and Biostatistics at the School of Veterinary Medicine at UC Davis where he applies study design and quantitative methods to identify novel tools to advance dairy cattle health and welfare, public health, and food safety. Among the Dairy Epi Lab's output is large dairy herd surveillance for mastitis; the California Bovine Respiratory Disease (BRD) scoring system available as a free mobile app.

Aly 是加州大学戴维斯分校兽医学院的流行病学和生物统计学教授，他应用研究设计和定量方法来确定促进奶牛健康和福利、公共卫生和食品安全的新工具。乳品 Epi 实验室的成果之一是对大型奶牛群的乳腺炎进行监测；加州牛呼吸道疾病 (BRD) 评分系统可作为免费移动应用程序使用。

## CONFERENCE SPEAKERS



DR. LORNE BABIUK

Professor, Faculty of Agricultural, Life and Environmental Science, University of Alberta, Canada

Officer of the Order of Canada, Fellow of the Infectious Disease Society of America, Fellow of the Canadian Academy of Health Sciences, Fellow of the Royal Society of Canada, Fellow of the National Academy of Inventors (USA), Member of the European Academy of Sciences and an Honorary Fellow of the Royal College of Physicians and Surgeons of Canada

Ph.D. University of British Columbia, Department of Microbiology, Virology  
D.Sci. University of Saskatchewan, Department of Veterinary Microbiology

Specializes in immunology, pathogenesis, virology, molecular virology, and vaccinology, and is a world leader in Canadian vaccine research, a global authority in infectious diseases-particularly virology, immunology, and vaccine delivery. He founded an internationally recognized research institute, the vaccine and infectious disease organization (VIDO).

专长于免疫学、发病机制、病毒学、分子病毒学和疫苗学，是加拿大疫苗研究的世界领先者，是传染病——特别是病毒学、免疫学和疫苗输送领域的全球权威。他创立了国际公认的研究机构——疫苗和传染病组织（VIDO）。

Lorne教授在多个国家的科学院担任院士，是世界农业奖的获得者，曾3次获得英国女王勋章。

## CONFERENCE SPEAKERS



### **DR. 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

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.

BAIN教授的主要研究方向为，评估预防和治疗问题行为（主要针对伴侣动物）的有效性，以及对人与动物关系和动物人道关怀的影响。

## CONFERENCE SPEAKERS



DR. JUNE BARRERA

Master of Preventive Veterinary Medicine Candidate, University of California, Davis

Research Advisors: Dr. Jonna Mazet, UC Davis

Dr. Rudovick Kazwala, Sokoine University of Agriculture

DVM, University of California, School of Veterinary Medicine, Davis, CA

BS in Ecology, Behavior, and Evolution, University of California, Los Angeles

Best practices in data-sharing in the One Health community.

Babbera 的研究内容为，One Health 社区中数据共享的最佳实践。

## CONFERENCE SPEAKERS



### **DR. JACKIE BENSCHOP**

Professor of Veterinary Public Health, School of Veterinary Science, Massey University

Doctor of Philosophy - Massey University

Bachelor of Veterinary Science - Massey University

Jackie co-directs the Molecular Epidemiology and Public Health Laboratory, an OIE collaborating center, at Massey University. Her research specializes in the animal–human–environment interface, particularly for *Leptospira*, *Campylobacter* and *Salmonella*. Jackie seeks to understand and act on communities' needs for research to reduce the burden of zoonotic disease.

Jackie是梅西大学分子流行病学和公共卫生实验室的联合主任，该实验室是世界动物卫生组织的一个合作中心。她的研究专门研究动物-人类-环境相互作用，特别是钩端螺旋体、弯曲杆菌和沙门氏菌。杰基致力于了解社区的研究需求并采取行动，以减轻人畜共患疾病的负担。

## CONFERENCE SPEAKERS



### **DR. BERNARD BETT**

Senior Scientist, International Livestock Research, CGIAR

A veterinarian with a postgraduate training on epidemiology, co-leads research on emerging infectious diseases at the International Livestock Research Institute (ILRI).

Since May 2020, Bett is leading the development of ILRI's new One Health strategy and establishing the One Health Centre, heading an interdisciplinary team across veterinary, public and environmental health.

His competencies include infectious disease modeling, participatory epidemiology, design and implementation of analytical studies and disease surveillance. Bett's current research focusses on the impacts of climate, land use and biodiversity changes on the occurrence and transmission of infectious diseases, especially those that are transmissible between animals and people. He works with various actors in public and private sectors in the development of decision support tools for managing disease risks based on information generated from research.

Bett的研究领域包括传染病建模、参与式流行病学、分析研究的设计和实施以及疾病监测。Bett目前的研究重点是气候、土地利用和生物多样性变化对传染病发生和传播的影响，特别是那些在动物和人之间传播的疾病。他与公共和私营部门的各个参与者合作，开发决策支持工具，根据研究产生的信息管理疾病风险。



## CONFERENCE SPEAKERS



### **DR. PATRICK BIGGS**

Professor in Computational Biology & Genomics, School of Veterinary Science, Massey University

Doctor of Philosophy - University of London

Bachelor of Science - Brunel University

Patrick's research focusses on the genomics of bacterial pathogens, mostly foodborne (e.g., members of the *Campylobacter*, *Salmonella* and *Escherichia genera*) and on various aspects of metagenomics, including mammalian microbiomes. He also works on projects involving different aspects of antimicrobial resistance.

Patrick的研究重点是细菌病原体的基因组学，主要是食源性病原体（例如弯曲杆菌属、沙门氏菌属和埃希氏菌属的成员），以及宏基因组学的各个方面，包括哺乳动物微生物组。他还从事涉及抗菌素耐药性不同方面的项目。

## CONFERENCE SPEAKERS



### **MS. CHRIS BRUNNER**

Emeritus communications and international programs director, Western Institute for Food Safety and Security, University of California, Davis

In retirement Chris continues to offer her services as liaison for WIFSS international programs serving as link between WIFSS and international One Health programs involving multiple colleges and universities in East Asia.

Chris女士一致担任 WIFSS 国际项目联络员，她一直致力于发展 WIFSS 和涉及东亚多所学院和大学的国际 One Health 项目之间的联系。

## CONFERENCE SPEAKERS



### **DR. BRUNO CHOMEL**

Professor Emeritus, Population Health & Reproduction, School of Veterinary Medicine, University of California, Davis

DVM, Lyon's Veterinary School, Lyon, France

MS, Pasteur Institute, Paris, France

MS, University Cl, Bernard-Lyons I, Lyon, France

PhD/These 3eme cycle, University Claude Bernard-Lyon I, Lyon, France

EIS, Centers for Disease Control, Atlanta, GA, USA

Dr Sc/Research Habilitation, University Claude Bernard-Lyon I, Lyon, France

His research centers on cat scratch disease and Bartonella infections in domestic animals and wildlife, the epidemiology of rabies and plague and zoonoses of wildlife. He has authored or co-authored more than 240 peer-reviewed publications and numerous book chapters. He was the Director of the World Health Organization/Pan American Health Organization (WHO/PAHO) Collaborating Center on New and Emerging Zoonoses.

Chomel的研究重点领域是家畜和野生动物的猫抓病和巴尔通体感染、狂犬病和鼠疫的流行病学以及野生动物的人畜共患病。他撰写或合着了 240 多篇经过同行评审的出版物和大量书籍章节。他曾担任世界卫生组织/泛美卫生组织 (WHO/PAHO) 新型和新兴人畜共患病合作中心主任。

## CONFERENCE SPEAKERS



### **DR. LYDIA CRANSTON**

Senior Lecturer in Animal Production Systems, School of Agriculture & Environment, Massey University, New Zealand

PhD Massey University, BAgriSci (Hons) Massey University, BSc Victoria University

Lydia is a senior lecturer in animal production systems at the School of Agriculture and Environment, Massey University. Her research interests are in sheep and beef cattle production, nutrient leaching, agronomy and grazing management and farm system modelling.

Lydia 是梅西大学农业与环境学院动物生产系统高级讲师。她的研究重点包括绵羊和肉牛生产、养分浸出、农学和放牧管理以及农场系统建模。

## CONFERENCE SPEAKERS



DR. YUAN FANG

Associate Researcher

National Institute of Parasitic Diseases, Chinese Center for Disease Control and Prevention (Chinese Center for Tropical Diseases Research)

Adjunct Associate Researcher,

School of Global Health, Chinese Center for Tropical Diseases Research, Shanghai Jiao tong University School of Medicine

PhD, East China Normal University

Joint-phd, University of California, Berkeley, CA

BSc, Zhejiang Normal University

Fang is an associate researcher of Department of Vector-borne Tropical Diseases at NIPD, China CDC where her research direction covers a wide range of interests, including vector-borne disease surveillance, meta-virome, molecular phylogeny, and insecticide resistance monitoring, with the focus on mosquito-, and tick-borne diseases.

方博士是中国疾控中心国家卫生研究院热带病科副研究员，研究方向广泛，包括媒介传播疾病监测、元病毒组、分子系统发育和杀虫剂抗药性监测等。重点关注蚊子和蜱传疾病。



## CONFERENCE SPEAKERS



### **DR. KIRSTEN GILARDI**

Health Science Clinical Professor

Department of Medicine & Epidemiology, School of Veterinary Medicine

University of California, Davis

BA, University of California, Santa Cruz, Stevenson College

DVM, University of California, Davis, School of Veterinary Medicine

University of California, San Diego, Revelle College

Her research focuses on the health of free-living wildlife, with a particular emphasis on diseases affecting threatened and endangered species and populations living in close proximity to people. Gilardi's area of expertise is primate medicine, and as director of the Gorilla Doctors program, she spends much of her time overseeing the provision of in situ veterinary care to human-habituated mountain and Grauer's gorillas, as well as collaborative research to better understand the diseases that cause morbidity and mortality and threaten the sustainability of their small populations.

Gilardi的研究重点是野外的野生动物的健康，特别关注影响受威胁和濒危物种以及与人类生活密切的种群的健康。吉拉迪的专业领域是灵长类动物医学，作为大猩猩医生项目的主任，她花费大量时间监督为人类居住的山地大猩猩和格劳尔大猩猩提供现场兽医护理，以及合作研究以更好地了解这些疾病，这导致发病率和死亡率，并威胁到其少数人口的可持续性。



## CONFERENCE SPEAKERS



### **DR. JOSE PABLO GOMEZ-VAZQUEZ**

Postdoctoral Researcher, Center for Animal Disease Modeling and Surveillance, (CADMS), Department of Veterinary Medicine & Epidemiology, School of Veterinary Medicine, University of California, Davis

Research advisor: Dr. Beatriz Martínez-López  
DVM, Universidad Autónoma de Nuevo León  
MPVM, University of California, Davis  
PhD, University of California, Davis

Spatial epidemiology, network analysis, stochastic modeling, Transboundary infectious diseases.

GOMEZ-VAZQUEZ 博士后研究员的研究领域是空间流行病学、网络分析、随机模型、跨境传染病。

## CONFERENCE SPEAKERS



### **DR. JOSÉ GONZALES**

Researcher-Epidemiology,

Wageningen Bio Veterinary Research, Wageningen University & Research, Netherlands.

DVM. UAGRM, Bolivia

MSc in International Animal Health at The University of Edinburgh

PhD at Utrecht University in the Netherlands.

His research work has focused on studying the infection dynamics of infectious diseases, the validation of diagnostic tests and the design and evaluation of surveillance programs. He has worked on diseases such Avian Influenza, Foot-and-mouth disease, Brucellosis and Trypanosomiasis.

Gonzales研究员的研究领域是传染病的感染动态、诊断测试的验证以及监测计划的设计和评估。他致力于禽流感、口蹄疫、布鲁氏菌病和锥虫病等疾病的研究。

## CONFERENCE SPEAKERS



### **MS. LINYUN GAO**

Bachelor student of Veterinary Medicine, Nanjing Agricultural University

Exchange bachelor student at Massey university, New Zealand

President of One Health International Association

One health国际交流协会主席

## CONFERENCE SPEAKERS



### **DR. JUN HAN**

Associate Dean for Research and International Communications and  
Professor of Virology, Department of Preventive Veterinary Medi-  
cine, College of Veterinary Medicine, China Agricultural University

DVM, China Agricultural University

MS, China Agricultural University

PhD, University of Minnesota-Twin Cities

Postdoctoral Fellow, Penn State University

Current research interests focus on the replication and pathogenesis of nidoviruses (PRRRSV and PEDV) and herpesviruses (PRV and HSV-1) with an aim to promote animal and human health through better understanding the viruses.

韩教授目前的研究兴趣集中在巢病毒（PRRRSV 和 PEDV）和疱疹病毒（PRV 和 HSV-1）的复制和发病机制上，旨在通过更好地了解病毒来促进动物和人类健康。

## CONFERENCE SPEAKERS



### **DR. MICHELE JAY-RUSSELL**

Program Manager for the Western Center for Food Safety,  
University of California, Davis

DVM, University of California, Davis

PhD in Comparative Pathology, University of California, Davis

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

JAY-RUSSELL教授的研究领域为食品安全、公共卫生、影响人类的家畜和野生动物物种环境肠道病原体的分子流行病学。

## CONFERENCE SPEAKERS



### **MS. HEATHER JOHNSON**

Instructional Systems Designer, Western Institute for Food Safety and Security

MS in Microbiology, University of California, Davis

Heather 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.

Heather 根据满足当地、州和联邦机构要求的认证标准，监督 WIFSS 培训和教育项目的教学设计部分。她专门利用成人教育的原则设计了混合学习的教育材料。



## CONFERENCE SPEAKERS



### **DR. PHILIP H. KASS**

Vice Provost Academic Affairs, Chancellors Office, University of California, Davis, and Professor, Department of Population Health & Reproduction, School of Veterinary Medicine

DVM; MPVM; MS; PhD; University of California, Davis

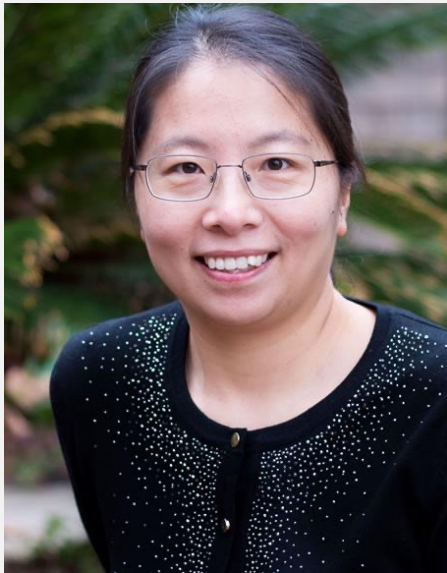
Post-doc, UCLA School of Public Health, Los Angeles, CA

Quantitative epidemiology (companion animals). Non-experimental inference. Epidemiologic methodology and analysis. Epidemiology of environmental hazards of animals and humans. Companion animal epidemiology. Hospital-based surveillance methodology. Cancer research.

Specialty Focus: Epidemiology and biostatistics.

Kass的研究方向为定量流行病学（伴侣动物）。非实验推理。流行病学方法和分析。动物和人类环境危害的流行病学。伴侣动物流行病学。基于医院的监测方法。癌症研究。  
专业重点：流行病学和生物统计学。

## CONFERENCE SPEAKERS



### **DR. YANHONG LIU**

Associate Professor of Animal Nutrition, Department of Animal Science, University of California, Davis

B.S., China Agricultural University, (Biological Science)

M.S., China Agricultural University, (Animal Nutrition)

Ph.D., University of Illinois, Urbana-Champaign, (Animal Science)

Evaluation of dietary effects on pig health by investigating impacts of products now available to the industry and developing new approach for the industry.

Liu博士的研究领域为，通过调查该行业现有产品的影响并为该行业开发新方法，评估饮食对猪健康的影响。

## CONFERENCE SPEAKERS



### **DR. JOANNA MCKENZIE**

Specialist in One Health Epidemiology and International Development in the mEpiLab, School of Veterinary Science, Massey University, New Zealand

PhD (Epidemiology), Massey University, NZ

Master of Preventive Veterinary Medicine (Epidemiology),  
University of California, Davis, USA

Bachelor of Veterinary Science, Massey University, NZ

Joanna focuses on multi-disciplinary research and teaching to strengthen One Health approaches to managing zoonotic diseases and antimicrobial resistance. She currently advises on One Health AMR surveillance in the Pacific, Asia and Africa. She led the academic program for an EU-funded One Health capacity building project in South Asia and has worked extensively on strengthening biosecurity and epidemiology services in Asia and the Pacific.

Joanna专注于多学科研究和教学，以加强管理人畜共患疾病和抗菌素耐药性的“同一个健康”方法。她目前为太平洋地区、亚洲和非洲的 One Health 抗菌素耐药性监测提供建议。她领导了欧盟资助的南亚“同一个健康”能力建设项目的学术项目，并广泛致力于加强亚太地区的生物安全和流行病学服务。

## CONFERENCE SPEAKERS



### **DR. SPENCER MOORE**

Professor and Chair of the Health & Society Group at Wageningen University  
Affiliated Adjunct Professor in the Department of Health Promotion,  
Education, and Behavior at the Arnold School of Public Health, University of  
South Carolina and an Academic Affiliate in the McGill Centre for  
Convergence of Health and Economics at McGill University, Canada.

PhD (Anthropology), University of Virginia

Master of Public Health in Health Behavior/Health Education, University of  
North Carolina

Spencer's research lies in the field of social epidemiology, population health, and evaluation/implementation research. In the field of social epidemiology and population health, his work examines the social determinants of health, with a particular focus on the effect that social relationships and social networks have on health conditions and behaviors. More recently in this area, Spencer has been examining the importance of social network resources in buffering the effects of chronic stress on health and aging.

Spencer教授的研究领域包括社会流行病学、人口健康和评估/实施研究。在社会流行病学和人口健康领域，他的工作研究健康的社会决定因素，特别关注社会关系和社交网络对健康状况和行为的影响。最近，在这一领域，斯宾塞一直在研究社交网络资源在缓冲慢性压力对健康和衰老的影响方面的重要性。

## CONFERENCE SPEAKERS



### **DR. RENATA MUYLEAERT**

Postdoctoral Fellow, Molecular Epidemiology and Public Health Laboratory,  
School of Veterinary Science, Massey University, New Zealand

PhD, UNESP São Paulo State University Brazil with sandwich period in School  
of Veterinary Science, Massey University, New Zealand

MSC, UNESP São Paulo State University Brazil with sandwich period in  
Louisiana State University and Texas Tech University, USA

BSc, UFSCAR São Carlos Federal University, São Carlos, Brazil

Renata works at the interface between ecology and epidemiology. Currently, she works at the Molecular Epidemiology and Public Health lab (Massey University, Aotearoa New Zealand). Her main research interests are related to spatial ecology and zoonotic disease systems. She produces models and analytical approaches useful to inform decision making in landscape management and public health, often using the One Health approach. Open Science and teaching enthusiast.

Renata致力于生态学和流行病学之间的结合。目前，她在分子流行病学和公共卫生实验室（新西兰梅西大学）工作。她的主要研究兴趣与空间生态学和人畜共患疾病系统有关。她制作的模型和分析方法有助于为景观管理和公共卫生决策提供信息，通常使用“同一个健康”方法。开放科学和教学爱好者。

## CONFERENCE SPEAKERS



### **DR. VISH NENE**

Co-leader Animal and Human health program, International Livestock Research Institute, Nairobi, Kenya

Post-doctoral fellow, University of Cambridge, UK.  
PhD, University of Nottingham, UK.  
BSc, University of Southampton, UK.

Dr. Nene by training is a molecular biologist with a broad range of research interests that converge on developing improved or novel methods of infectious disease control and in the use of whole genome sequence data and genomics technologies to underpin laboratory research, primarily in the field of developing veterinary vaccines. His major area of focus has been on tick-borne diseases, principally, East Coast fever a disease of cattle in Africa, where antibodies and CD8+ cytotoxic T-cells play a role in mediating immunity to disease.

Nene 博士是一位分子生物学家，拥有广泛的研究兴趣，主要致力于开发改进的或新颖的传染病控制方法，以及使用全基因组序列数据和基因组学技术来支持实验室研究，主要是在以下领域开发兽用疫苗。他的主要研究领域是蜱传疾病，主要是东海岸热病，一种非洲牛的疾病，其中抗体和 CD8+ 细胞毒性 T 细胞在介导疾病免疫方面发挥作用。



## CONFERENCE SPEAKERS



### **DR. SHA NISA**

Infectious disease researcher

Doctor of Philosophy - Victoria University (2010)

Bachelor of Science with Honors - Victoria University (2006)

Sha is an infectious disease researcher with expertise in molecular biology, microbiology, biochemistry, and epidemiology. She has a strong commitment to One Health research and investigate zoonotic pathogens which have the potential to cross between animals, humans, and the environment. Her research aims to advance our understanding of infectious diseases, make significant contributions to their prevention and control and contribute to the overall improvement of health outcomes.

Sha是一位传染病研究员，拥有分子生物学、微生物学、生物化学和流行病学方面的专业知识。她致力于One Health研究并调查有可能在动物、人类和环境之间传播的人畜共患病原体。她的研究旨在增进我们对传染病的了解，为其预防和控制做出重大贡献，并为健康结果的整体改善做出贡献。

## CONFERENCE SPEAKERS



### **DR. JENNINE OCHOA**

Assistant Professor, California Animal Health and Food Safety Lab;  
Pathology, Microbiology & Immunology School of Veterinary  
Medicine University of California, Davis

DVM, University of California, Davis

PhD, Washington State University Diplomate, American College of  
Veterinary Pathologists

Diplomate, American College of Veterinary Pathologists

Diagnostic pathology of agricultural livestock and poultry with an emphasis on diagnosis and surveillance of animal diseases that are of human and economic concern.

农业牲畜和家禽的诊断病理学，重点是对人类和经济问题的动物疾病的诊断和监测。

## CONFERENCE SPEAKERS



### **DR. BENNIE OSBURN**

Emeritus Dean, the School of Veterinary Medicine, UC Davis  
Director of Outreach and Training, at the Western Institute for Food  
Safety and Security (WIFSS).

DVM, Kansas State University Ph.D. in Comparative Pathology,  
University of California, Davis Post-Doctoral Fellowship, Johns  
Hopkins Medical School

During his career, his research focused on infectious and immune mediated diseases of livestock, zoonotic diseases, including foodborne pathogens, and the ecology of infectious agents. His interest is on One Health educational approaches to food safety and security, and all hazard disasters to facilitate a better understanding of the complex interactions of humans, animals, and the environment.

在职业生涯中，Bennie的研究重点是牲畜传染性和免疫介导的疾病、人畜共患疾病，包括食源性病原体，以及传染的生态学。他的兴趣在于食品安全和保障以及所有灾害的 One Health 教育方法，以促进更好地了解人类、动物和环境之间复杂的相互作用。

## CONFERENCE SPEAKERS



### **MR. JASON OSBURN**

B.A. Louisiana State University, Animal Science

Jason has held a variety of positions in the dairy industry including drug development, livestock production, pharmaceutical sales, feed/nutrition sales and computer technology for the dairy industry. In his current position with Israeli company, Afimilk, he is responsible for business growth in Western US and Canada for precision farming practices to advance sustainability, animal welfare, efficiencies, and profitability for the dairy industry.

Jason 曾在乳制品行业担任过多种职位，包括药物开发、畜牧生产、药品销售、饲料/营养品销售和乳制品行业计算机技术。目前，他在以色列公司 Afimilk 任职，负责美国西部和加拿大精准农业实践的业务增长，以促进乳制品行业的可持续发展、动物福利、效率和盈利能力。

## CONFERENCE SPEAKERS



DR. XIAOLI (LILLY) PANG

Professor, the Department of Laboratory Medicine and Pathology,  
University of Alberta, Edmonton, Canada

Bachelor of Medicine (M.D.) from the University of Southeast,  
Nanjing, China,

Ph.D. in Medical Virology from the University of Tampere, Finland  
and visiting scholar in the Centre for Diseases Control (CDC) and  
National Institute of Health (NIH) in USA

Viral etiology, clinical diagnostic, molecular epidemiology, waterborne viral diseases, and environmental virology. Her interests cover a broad range of important human and environmental viruses with a high epidemic potential. She has made significant contributions to Wastewater-Based Surveillance (WBS) on SARS-CoV-2 during COVID-19 pandemic provincially and nationally.

PANG的研究集中在病毒病因学、临床诊断、分子流行病学、水传播病毒性疾病和环境病毒学。她的兴趣涵盖广泛的具有高度流行潜力的重要人类和环境病毒。她在 COVID-19 大流行期间为全省和全国范围内的 SARS-CoV-2 废水监测 (WBS) 做出了重大贡献。

## CONFERENCE SPEAKERS



### **DR. MARGUERITE PAPPAIOANOU**

Affiliate Professor and Associate Director, Center for One Health Research Department of Environmental and Occupational Health Sciences School of Public Health, University of Washington DVM, Michigan State University MPVM, University of California, Davis

PhD in Comparative Pathology; UC Davis Diplomat, American College of Veterinary Preventive Medicine CDC Epidemic Intelligence Service

Emerging zoonotic diseases of pandemic concern; infectious disease surveillance, prevention, and control; food safety, One Health, Planetary Health.

PAPPAIOANOU教授的研究领域主要为，引起大流行关注的新出现的人畜共患疾病；传染病监测、预防和控制；食品安全、同一个健康、地球健康。



## CONFERENCE SPEAKERS



### **DR. GERARD PRINSEN**

Associate Professor, School of People Environment & Planning,  
Massey University

Doctor of Philosophy - Massey University (2012)

Master of Arts - Groningen State University (1986)

Gerard has worked for fifteen years with local governments in several African countries, before completing a PhD and becoming part-time lecturer in 2012 at Massey University, while also working part-time in development programs in East and Southern Africa. His research focuses on primary education and health services in remote or fragile environments, using interdisciplinary approaches to build bridges between researchers and local communities.

Gerard 已在多个非洲国家的地方政府工作了 15 年，之后于 2012 年获得博士学位并成为梅西大学兼职讲师，同时还在东非和南部非洲的发展项目中兼职。他的研究重点是偏远或脆弱环境中的初等教育和卫生服务，利用跨学科方法在研究人员和当地社区之间建立桥梁。

## CONFERENCE SPEAKERS



### **DR. YINGJUAN QIAN**

PROFESSOR AND LEADING SCIENTIST OF NAU-UC DAVIS ONE HEALTH CENTER, ASSOCIATE DIRECTOR OF THE JOINT INTERNATIONAL LABORATORY OF ANIMAL HEALTH AND FOOD SAFETY, MINISTRY OF EDUCATION, CHINA.

DVM, NANJING AGRICULTURAL UNIVERSITY

MASTER OF PREVENTIVE VETERINARY MEDICINE, NANJING AGRICULTURAL UNIVERSITY

PHD IN CELL BIOLOGY FROM UNIVERSITY OF ALABAMA AT BIRMINGHAM  
POSTDOC, SCHOOL OF VETERINARY MEDICINE, UC DAVIS

Virus-host interactions to understand viral pathogenesis, i.e., ASFV, as well as developing prevention and control methods.

钱教授的主要研究领域为，病毒与宿主的相互作用，以了解病毒（即 ASFV）的发病机制，并制定预防和控制方法。

## CONFERENCE SPEAKERS



### **DR. JORGE RODRIGUES**

Professor, Department of Land, Air and Water Resources, University of California, Davis

MSc in Microbiology, University of São Paulo, Brazil

PhD, in Crop and Soil Sciences and Environmental Toxicology, (Minor) Microbial Ecology (Dual Degree) - Michigan State University

Nature and ecology of soil microbial communities of importance to mankind. Research spans from natural to agricultural ecosystems and focused on microbiome solutions under increased world food demand. Results from this work have broad implications from basic research in evolutionary biology to applied aspects, such conservation policies for natural forests.

RODRIGUES教授的主要研究领域为，对人类重要的土壤微生物群落的性质和生态。研究范围从自然生态系统到农业生态系统，重点关注世界粮食需求增加下的微生物组解决方案。这项工作的结果具有广泛的影响，从进化生物学的基础研究到应用方面，例如天然林的保护政策。

## CONFERENCE SPEAKERS



### **DR. JIANZHONG SHEN**

Academician of Chinese Academy of Engineering

Dean College of Veterinary Medicine, China Agricultural University

Master and PhD, China Agricultural University

Animal Origin Food Safety, Veterinary Public Health, Antibiotic Resistance

沈院士的主要研究方向为，动物源食品安全、兽医公共卫生、抗生素耐药性

## CONFERENCE SPEAKERS



### **DR. Ranvir Singh**

Associate Professor in Environmental Hydrology and Soil Science,  
School of Agriculture & Environment.

Ranvir also holds a position (since 2014) as a Visiting Professor in  
Soil and Water Management at the Universidad de Chile, Santiago

Doctor of Philosophy - Wageningen University

Master of Technology - Chaudhary Charan Singh Haryana

Agricultural University

Ranvir's research and teachings are focused on (a) water quality improvements by mapping and modelling of critical nutrients and sediments flow pathways, spatially-variable nitrate attenuation (reduction) in shallow groundwaters, and development of novel edge-of-field technologies (such as controlled drainage, drainage water recycling system, woodchip bioreactors; and sediment traps) to reduce runoff on nutrients from agricultural lands to receiving waters; and (b) advancing concepts and models of water productivity and foot printing analysis of food production systems. He has gained significant experience and expertise in water sciences while working in diverse landscapes in different parts of the world (India, The Netherlands, Iowa (USA), Australia, New Zealand, Chile, and Indonesia).

Ranvir 的研究和教学重点 (a) 通过对关键营养物和沉积物流动路径进行绘图和建模来改善水质、浅层地下水空间变化的硝酸盐衰减（减少）以及开发新型现场技术（例如 控制排水、排水循环系统、木片生物反应器和沉积物收集器），以减少养分从农田流向受纳水域的径流；(b) 推进水生产率和粮食生产系统足迹分析的概念和模型。他在世界不同地区（印度、荷兰、爱荷华州（美国）、澳大利亚、新西兰、智利和印度尼西亚）的不同景观中工作，在水科学方面获得了丰富的经验和专业知识。

## CONFERENCE SPEAKERS



### **DR. ART SUBHARAT**

Senior Lecturer in Veterinary Epidemiology, School of Veterinary Sciences, Massey University

Doctor of Philosophy - Massey University

Art's research focuses on veterinary epidemiology, immunology, microbiology, molecular biology & socio-economic impact aspects of FMD, leptospirosis, Johnes disease, bovine mastitis and tuberculosis. He is a project manager for FMD control programme contracted by the OIE which is funded by New Zealand Ministry of Foreign Affairs and Trade through the SEACFMD campaign, also providing training to strengthen capability of veterinary services and capacity building for FMD control in South-East Asia.

Art 的研究重点是兽医流行病学、免疫学、微生物学、分子生物学以及口蹄疫、钩端螺旋体病、约翰斯病、牛乳腺炎和结核病的社会经济影响方面。他是世界动物卫生组织（OIE）签约的口蹄疫控制项目的项目经理，该项目由新西兰外交和贸易部通过SEACFMD活动资助，还提供培训以加强东南亚兽医服务能力和口蹄疫控制能力建设。



## CONFERENCE SPEAKERS



### **DR. JANE SYKES**

Professor, Department of Medicine and Epidemiology, School of Veterinary Medicine, University of California, Davis

BVSc (Hons), University of Melbourne, Victoria, Australia

PhD, University of Melbourne, Australia

MBA, University of Georgia Terry School of Business

Infectious diseases of dogs and cats, especially those of public health significance (leptospirosis, fungal diseases, vector-borne diseases, antimicrobial resistant bacterial infections)

狗和猫的传染病，特别是具有公共卫生意义的传染病（钩端螺旋体病、真菌病、媒介传播疾病、抗菌药物耐药性细菌感染）

## CONFERENCE SPEAKERS



### **DR. WIM H.M. VAN DER POEL**

Professor and Research Leader in Emerging and Zoonotic Viruses, Wageningen Bioveterinary Research, Wageningen University  
Principal investigator within the Netherlands Centre of One Health (NCOH); member of the Project Management Board of the European Joint Program One Health and coordinator of the EPIZONE European Research Group, the network on epizootic animal diseases research

DVM; PhD in Virology, Utrecht

New and emerging veterinary viruses, Foodborne and Zoonotic viruses, including Hepatitis E virus, and Global One Health.

Wim 教授的主要研究领域为新型和新兴兽医病毒、食源性和人畜共患病毒（包括戊型肝炎病毒）和 Global One Health。

## CONFERENCE SPEAKERS



### **DR. YANG WANG**

Professor and Director of Key Laboratory of Animal Antimicrobial Resistance Surveillance, Ministry of Agriculture and Rural Affairs, P. R. China, College of Veterinary Medicine, China Agricultural University

BS, Hunan Agricultural University

MS, South China Agricultural University

PhD, China Agricultural University

Emergence and molecular genetics characteristic of bacterial resistance to antibiotic. The epidemiology, transmission, and associated risk factors of antimicrobial resistant bacteria.

汪洋教授的主要研究领域是细菌对抗生素耐药性的出现和分子遗传学特征。抗菌药物耐药细菌的流行病学、传播和相关危险因素。

## CONFERENCE SPEAKERS



### **DR. ZHONG WEI**

Professor of Rhizosphere microbial ecology, College of Resources and Environmental Sciences, Nanjing Agricultural University

PhD in Science of Plant nutrition, Nanjing Agricultural University, China

Rhizosphere microbiome interactions and their roles in plant health.

韦中教授的主要研究领域为根际微生物组相互作用及其在植物健康中的作用。

## CONFERENCE SPEAKERS



DR. Jing Xu  
Professor and Chief  
Department of schistosomiasis  
National Institute of Parasitic Diseases  
Chinese Center for Disease Control and Prevention

Academic Visitor, LSHTM, UK  
PhD, Nanjing Medical University, China  
Master degree, China CDC  
Bachelor degree, Shangdong Normal University

She provides technical support to National Commission of Health for designing and implementing national schistosomiasis control programs, public health policy making, disease surveillance and evaluation, legislation of law, drafting criteria for schistosomiasis elimination. She also applies research mainly focusing on the development and implementation of new diagnostic tools, risk assessment and disease surveillance.

Xu教授主要为国家卫生健康委员会设计和实施国家血吸虫病防治规划、公共卫生政策制定、疾病监测与评估、法律立法、起草消除血吸虫病标准等提供技术支持。她的研究主要集中在新诊断工具、风险评估和疾病监测的开发和实施。

## CONFERENCE SPEAKERS



### **DR. JIN ZHANG**

Associate Professional Researcher, 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

PostDoc, University of Alabama at Birmingham, AL

The p53 family proteins and their targets and how these proteins contribute to tumor suppression and tumorigenesis in vitro and in vivo.

Zhang教授的主要研究领域为p53 家族蛋白及其靶点以及这些蛋白如何在体外和体内促进肿瘤抑制和肿瘤发生。



## CONFERENCE SPEAKERS



### **DR. XIAOXI ZHANG**

Assistant Professor

School of Global Health, Chinese Center for Tropical Diseases  
Research, Shanghai Jiao Tong University School of Medicine

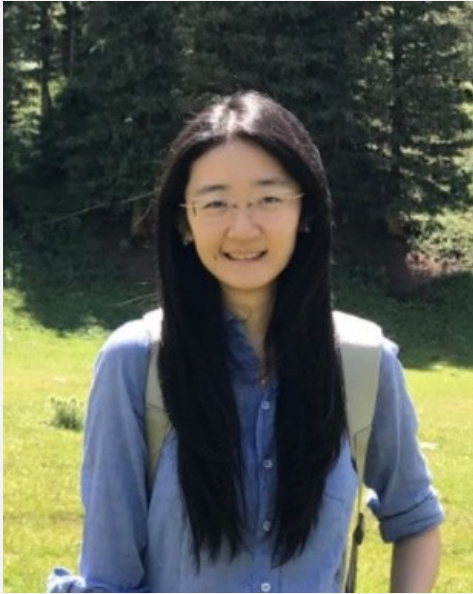
PhD degree in Economics

MSc degree in Global Health Bachelor degree in Clinical  
Medicine

Before commencing Shanghai Jiao Tong University, she worked as a health policy research analyst for Shanghai Health Development Research Center, and interned for the World Health Organization headquarter and Egypt country office. She has strong research interests in health governance and health policy research, and hopes her research could bring real-world impact to the system building of One Health.

在进入上海交通大学之前，她曾在上海卫生发展研究中心担任卫生政策研究分析师，并在世界卫生组织总部和埃及国家办事处实习。她对健康治理和卫生政策研究有着浓厚的研究兴趣，希望她的研究能为“同一个健康”的体系建设带来现实影响。

## CONFERENCE SPEAKERS



**Ms. Yang ZHANG**

Policy Initiative Director, Wildlife Conservation Society (WCS)  
China Program

MA, Climate & Society, Columbia University  
BA, International Law, China Foreign Affairs University

Yang and the WCS's Policy Initiative in China focus on elevating the nexus between wildlife trade and public health through the One Health lens. Works are being done to understand the public health implications specifically the zoonotic spillover risks along the wildlife trade supply chain.

张和世界野生生物保护学会在中国的政策倡议，重点关注通过“同一个健康”视角提升野生动物贸易与公共卫生之间的联系。目前正在开展各项工作，以了解公共卫生影响，特别是野生动物贸易供应链上的人畜共患病溢出风险。

## CONFERENCE SPEAKERS



### **DR. FANGJIE ZHAO**

PhD in Newcastle University, UK

Professor, College of Resources and Environmental Sciences,  
Nanjing Agricultural University

The IFA Norman Borlaug Plant Nutrition Award Winner 2022

PhD, University of Newcastle, U.K.

MSc, Nanjing Agricultural University

BSc, Fujian Agricultural & Forestry University

Biogeochemistry of essential trace elements and toxic metals/metalloids in soil-plant systems, molecular mechanisms of trace element uptake by plants, biofortification of essential micronutrients and bioremediation of contaminated soils.

土壤-植物系统中必需微量元素和有毒金属/类金属的生物地球化学、植物吸收微量元素的分子机制、必需微量营养素的生物强化和污染土壤的生物修复。

## CONFERENCE SPEAKERS



### **DR. XIAONONG ZHOU**

Vice Dean, School of Global Health, Chinese Center for Tropical Diseases Research, Shanghai Jiao Tong University School of Medicine

Director, One Health Center, Shanghai Jiao Tong University-The University of Edinburgh

PhD from Copenhagen University, Denmark

His professional works are across the fields of ecology, population biology, and epidemiology of tropical diseases. He has led more than 10 research projects in collaboration with multi-institutions at national and international levels, including Major Program of the National Natural Science Foundation of China, National Science and Technology Major Project, projects with WHO and International Development Research Centre (IDRC), Canada, in the field of climate change, control strategies, determinants and innovative modeling of disease transmission, and intervention assessment.

周教授的专业著作横跨生态学、群体生物学和热带疾病流行病学领域。主持国家自然科学基金重大项目、国家科技重大专项、世界卫生组织、国际发展研究中心（IDRC）项目等10余项国内外多机构合作研究项目，加拿大，在气候变化、控制策略、疾病传播的决定因素和创新模型以及干预评估领域。