

NAU-UC Davis  
One Health Food Safety Symposium  
University of California, Davis  
April 14 – 16, 2015



SYMPOSIUM PROGRAM

**April 14 – Tuesday**

*1043 Gladys Valley Hall*

- 9:00 a.m. Welcome by **Michael Lairmore**, Dean, School of Veterinary Medicine, UC Davis
- 9:20 a.m. Welcome by **Kang Tu**, Associate Dean, College of Food Science and Technology, Nanjing Agricultural University (NAU)
- 9:35 a.m. Welcome by **Rob Atwill**, Director, Western Institute for Food Safety and Security, (WIFSS), UC Davis
- 9:50 a.m. BREAK
- 10:00 a.m. **Elizabeth Mitcham**, Center Director, UC Davis Postharvest Technology Center  
*Postharvest Biology and Technology at UC Davis and Around the World*
- 10:50 a.m. **Kang Tu**, Associate Dean, College of Food Science and Technology, NAU  
*Postharvest Storage and Processing*
- 11:50 a.m. LUNCH: Discussion – Educational Exchange for Graduate Students  
NAU (Tu, Rui, Yang, Liu, Lu, Bie) and UC Davis (Mitcham, Barile, McCowan, Stull)
- 1:15 p.m. **Daniela Barile**, Assistant Professor, Department of Food Science & Technology, UC Davis  
*Novel Tools to Evaluate Bioactive Compounds in Dairy Products*
- 2:00 p.m. **Xin Rui**, Lecturer, College of Food Science and Technology, NAU  
*Exploiting Chinese Traditional Fermented Dairy Foods*
- 2:45 p.m. BREAK
- 3:00 p.m. **Brenda McCowan**, Director, McCowan Animal Behavior Laboratory for Welfare and Conservation  
**Carolyn Stull**, Extension Specialist, School of Veterinary Medicine, UC Davis  
*The Science Behind Animal Welfare: Approaches, Metrics and Interactions*
- 3:50 p.m. **Xiaojing Yang**, Professor, Animal Physiology and Biochemistry, College of Veterinary Medicine, NAU  
*Studying the Welfare of Pigs*
- 4:30 p.m. ADJOURN
- 5:00 p.m. RECEPTION  
*Valley Hall*  
SVM Faculty and NAU guests  
*Lobby*

**April 15 – Wednesday***1043 Gladys Valley Hall*

- 8:30 a.m. **Lark Coffey**, Assistant Professor, Department of Pathology, Microbiology and Immunology, School of Veterinary Medicine, UC Davis  
*Metagenomics Approaches to Enhance Virus Discovery and Detection in Agricultural Animals*
- 9:15 a.m. **Fei Liu**, Professor, College of Veterinary Medicine, NAU  
*Single-Molecule Study of RNA Metabolism and Development of Biosensors*
- 10:00 a.m. BREAK
- 10:30 a.m. **Michael Mienaltowski**, Assistant Professor, Department of Animal Science, UC Davis  
*Role of Collagen in Meat Tenderness*
- 11:15 a.m. BREAK
- 11:50 a.m. LUNCH: Discussion – Educational Exchange for Graduate Students  
NAU (Tu, Rui, Yang, Liu, Lu, Bie) and UC Davis (Coffey, Mienaltowski, Zhou, Atwill, Li, Pandey)
- 1:30 p.m. **Huaijun Zhou**, Associate Professor, Department of Animal Science, UC Davis  
*Microbiome Associated with Salmonella Colonization Resistance in Chickens using 16S RNA Sequencing*
- 2:15 p.m. **Rob Atwill**, Director, Western Institute for Food Safety and Security (WIFSS), UC Davis  
*Clarifying the Role of Irrigation Water and Animal Intrusion on Produce Food Safety*
- 3:00 p.m. BREAK
- 3:15 p.m. **Junhe Lu**, Professor, College of Resources and Environmental Science, NAU  
*Transformation of Halide in Sulfate Based Oxidation Processes*
- 4:00 p.m. **Xunde Li**, Research Scientist, Atwill Water & Foodborne Zoonotic Disease Laboratory, UC Davis  
*Detection of Foodborne Bacteria and Protozoa: Water and Vegetables*
- 4:45 p.m. **Xiaomei Bie**, Professor, Food Microbiology and Biotechnology, NAU  
*Mining and Evaluation of New Specific Targets and Rapid Molecular Detection of Salmonella in Food*
- 5:30 p.m. ADJOURN

**April 16 – Thursday***Tour of Laboratories and Discussion with Faculty*

- 8:30 – 10:00 a.m.      **Rob Atwill** and **Xunde Li**, WIFSS  
*4<sup>th</sup> Floor East VM3B*      Tour of Atwill Water & Foodborne Zoonotic Disease Laboratory
- 10:30 – 12:00 p.m.      **Rich Breitmeyer**, Director, California Animal Health and Food Safety Laboratory (CAHFS)  
*CAHFS*                      **Bob Poppenga**, Professor of Clinical Diagnostic Toxicology, CAHFS  
                                  **Beate Crossley**, Associate Professor of Clinical Diagnostic Virology, CAHFS  
                                  Tour of California Animal Health and Food Safety Laboratory
- 12:00 p.m.                LUNCH: Discussion – Importance of a Diagnostic Laboratory System  
*CAHFS Maddy Rm*      NAU (Tu, Rui, Yang, Liu, Lu, Bie) and UC Davis (Breitmeyer, Poppenga, Crossley)
- 1:15 – 2:45 p.m.        **Glenn Young**, Professor, Department of Food Science & Technology, UC Davis  
*RMI*                        Tour of Robert Mondavi Institute
- 3:15 p.m.                 **Caleb Sehnert**, Meat Lab Manager, UC Davis Meat Lab  
*Meat Lab*                Tour of the Meat Science Laboratory in the Harold Cole Facility
- 4:30 p.m.                Symposium Summary  
*1043 Valley*             NAU and UC Davis Symposium Participants
- 5:30 p.m.                RECEPTION  
*Lobby VM3B*             NAU and UC Davis Symposium Participants, and Special Guests