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 Lobby

SVM Faculty and NAU guests
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
4th 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)
                                     Bob Poppenga, Professor of Clinical Diagnostic Toxicology, CAHFS
                                     Beate Crossley, Associate Professor of Clinical Diagnostic Virology, CAHFS
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