

## **International Symposium on Nutrition and Human Health**

(November 2-3, 2018, Hilton Hotel, 801 University Drive East, College Station, TX)

**Contact:** Dr. Guoyao Wu, Symposium Chair (g-wu@tamu.edu)

Tohoku University (Sendai, Japan) and Texas A&M University (TAMU) will jointly hold an International Symposium on Nutrition and Human Health (November 2-3, 2018). The topics of this symposium will range from meat quality to gut microbes and nutrient signaling in pregnancy, and to the impacts of diets on obesity, diabetes, cancer, heart disease, and neurological disease. There will be 12 invited presentations from outstanding scientists: Drs. Masaru Enomoto, Toshinobu Kuroishi, Yurika Otoki, Hitoshi Shirakawa, and Masaaki Toyomizu (Tohoku University); Drs. Fuller W. Bazer, Robert S. Chapkin, Cynthia J. Meininger, Stephen B. Smith, and Patrick J. Stover (TAMU); and Drs. Ameer Taha and Craig H. Warden (University of California-Davis). The conference will also include posters from participants.

**Register online at** <https://agriliferegister.tamu.edu/HumanNutrition>

**Registration fees:** Undergraduates, Graduate Students, and Postdoctoral Fellows: **\$25**.

Invited Speakers and Invited Chairs: **\$0**.

Others: **\$100** (8/01 – 9/30), **\$115** (10/01 – 10/25), or **\$125** (onsite).

The registration fees include lunch and dinner on Nov. 2, 2018, as well as breakfast and lunch on Nov. 3, 2018.

**Abstracts (max 250 words)** of Oral Presentations and Posters: Must be emailed to Dr. Guoyao Wu (g-wu@tamu.edu) no later than September 15, 2018. **Oral Presentations:** power point slides. **Size of Posters:** 36 inch x 48 inch.

### **Scientific Program**

#### **November 2, 2018 (Friday)**

10:00 AM – 12:00 noon Registration (Hilton Hotel, College Station)

12:00 noon – 1:00 PM Lunch box at Hilton hotel (provided by the Symposium organizing committee)

1:00 – 1:05 PM Introduction and welcome to the Symposium  
Dr. Guoyao Wu, University Distinguished Professor, TAMU

1:05 – 1:10 PM Dr. Patrick Stover, Professor and Dean, College of Agriculture & Life Sciences, TAMU

1:10 – 1:15 PM Dr. Cliff Lamb, Professor and Head, Department of Animal Science, TAMU

#### **Session 1, Chaired by Dr. Boon P. Chew (Professor and Head, Dept. of Nutrition & Food Science, TAMU)**

1:15 – 1:50 PM Dr. Patrick J. Stover, Professor and Dean, College of Agriculture and Life Sciences  
*“Folate metabolism in health and disease”*

1:50 – 2:25 PM Dr. Hitoshi Shirakawa, Associate Professor, Tohoku University  
Laboratory of Nutrition, Graduate School of Agricultural Science, Tohoku University  
*“Vitamin K regulates the gene expression of drug-metabolism and bile acid synthesis via pregnane X receptor”*

2:25 – 3:00 PM Dr. Toshinobu Kuroishi, Assistant Professor, Tohoku University  
Division of Oral Immunology, Graduate School of Dentistry  
*“Regulation of immunological functions by biotin”*

3:00 – 3:15 PM Tea/Coffee break

**Session 2, Chaired by Dr. Greg Johnson (Professor, Department of Veterinary Integrative Biosciences)**

- 3:15 – 3:50 PM Dr. Fuller W. Bazer, University Distinguished Professor, TAMU  
*“Nutrient signaling in conceptus survival, growth and development”*
- 3:50 – 4:25 PM Dr. Ameer Taha, Assistant Professor, University of California, Davis  
*“Lipidomic characterization of altered lipid pathways in post-mortem pre-frontal cortex of Alzheimer's and Multiple Sclerosis Patients”*
- 4:25 – 5:00 AM Dr. Stephen B. Smith, Regent Professor, TAMU  
*“Consumption of beef meat and human health”*
- 6:00 PM Dinner box at Hilton hotel (provided by the symposium organizing committee)
- 6:30 – 8:00 PM Posters**  
Hilton Hotel, College Station

**November 3, 2018 (Saturday)**

- 7:00 – 8:00 AM Continental breakfast at Hilton hotel (provided by the Symposium organizing committee)

**Session 3, Chaired by Dr. Rosemary Walzem (Professor, Department of Poultry Science, TAMU)**

- 8:15 – 8:50 AM Dr. Robert S. Chapkin, University Distinguished Professor, TAMU  
*“Fat-fiber interaction and colon cancer risk”*
- 8:50 – 9:25 AM Dr. Masaaki Toyomizu, Professor, Tohoku University  
*“Novel emergence of beige fat in the environmental adaptation of birds”*
- 9:25 – 10:00 AM Dr. Masaru Enomoto, Associate Professor, Tohoku University  
*“Synthetic study of an ergot alkaloid, paspalinine”*
- 10:00 – 10:15 AM Tea/Coffee break

**Session 4, Chaired by Dr. Nicolaas Deutz, Professor, Department of Health & Kinesiology, TAMU**

- 10:15 – 10:50 PM Dr. Cynthia J. Meininger, Professor, TAMU  
*“Anti-oxidative nutrients and endothelial NO synthesis in diabetes and obesity”*
- 10:50 – 11:25 AM Dr. Yurika Otoki, Postdoctoral Fellow, Tohoku University  
*“Exploring the link between plasmalogen metabolism and Alzheimer's with or without vascular disease”*
- 11:25 AM – 12:00 noon Dr. Craig H Warden, Professor University of California, Davis  
*“Diet lessons from studies in mice”*

**Closing remarks**

- 12:00 – 12:05 PM Dr. Guoyao Wu, University Distinguished Professor, TAMU
- 12:05 PM Lunch box at Hilton hotel (provided by the Symposium organizing committee)