

The 3rd HOKU (Honolulu Office of Kobe University) Symposium:
**Agricultural Science for Sustainable Global Development
and Healthy Society**

Organized by: The Institute for Promoting International Partnerships, Kobe University

In collaboration with: The University of Nebraska – Lincoln

Date	Friday, November 16, 2018
Venue	Hideto Kono Seminar Room on the 2 nd floor of JAAMS (Japan-America Institute of Management Science)
Address	JAAMS, 6660 Hawaii Kai Drive, Honolulu, Hawaii 96825-1192
9:30-9:45	Opening Remarks Prof. Ken-Ichi Shimomura (Director, Office of the Americas, Kobe University) Prof. Steve Goddard (Former Vice Chancellor / Professor, Department of Computer Science & Engineering, University of Nebraska-Lincoln)
9:45-9:55	Introduction to the University of Nebraska-Lincoln Mr. Josh Davis (Assistant Vice Chancellor for Global Engagement for the Institute of Agriculture and Natural Resources (IANR)) Dr. Tala Awada (Associate Dean of the Agricultural Research Division for the Institute of Agriculture and Natural Resources, and Associate Director of the Nebraska Agricultural Experiment Station)
Session 1	Human Health Science (chaired by Drs. Ro Osawa and Yasuhito Shirai)
9:55-10:20	Dr. Yasuhito Shirai (Kobe University, Japan) <i>Diacylglycerol kinase α (DGK α) as possible therapeutic targets for diabetic nephropathy.</i>
10:20-10:45	Dr. Varnavas Mouchlis (University of California San Diego, USA) <i>Defining binding and interactions of α-tocopherol with laminin receptor using hydrogen/deuterium exchange and molecular dynamics.</i>
10:45-11:00	Coffee break
11:00-11:30	Dr. Masashi Mizuno (Kobe University, Japan) <i>Lentinan exerts anti-inflammatory activity by suppression of transfer of tumor necrosis factor receptor 1 to the surface on intestinal epithelial cell through β- glucan receptor Dectin-1.</i>
11:30-12:00	Dr. Amanda Ramer-Tait (University of Nebraska-Lincoln, USA) <i>Interactions between specific bacterial species and the resident microbiota can determine the metabolic effects of a prebiotic.</i>

- 12:00-12:30 **Dr. Ro Osawa** (Kobe University, Japan)
Evaluation of Functionality of Food components by human intestinal models: Kobe University's approach.
- 12:30-13:30 Lunch**
- Session 2 Agricultural Economics** (chaired by **Dr. Steve Goddard**)
- 13:30-14:00 **Dr. Akira Ishida** (Kobe University, Japan)
Urban food production and household food security in developing countries.
- 14:00-14:30 **Dr. Wei Zheng** (Nankai University, China)
Sustainable Development of the Rural Finance in China
--A Case Study on the Perspective of the "Financial Function".
- 14:30-15:00 **Dr. Jihei Kaneko** (Kobe University, Japan)
Why do children and old people have evening meals alone in Japan?
- 15:00-15:30 **Dr. Simanti Banerjee** (University of Nebraska-Lincoln, USA)
Spatially Coordinated Agricultural Land Conservation through Payment for Ecosystem Services Schemes: An Experimental Economic Study.
- 15:30-15:45 Coffee break**
- Session 3 Plant Pathology** (chaired by **Dr. Kenichi Ikeda**)
- 15:45-16:15 **Dr. Yukio Tosa** (Kobe University, Japan)
The wheat blast fungus – mechanisms of its evolution and strategies for its control.
- 16:15-16:45 **Dr. Miaoying Tian** (University of Hawaii at Manoa, USA)
*Dissection of the pathogenicity mechanisms of *Phytophthora palmivora* using CRISPR/Cas9 gene editing.*
- 16:45-17:15 **Dr. Richard Wilson** (University of Nebraska-Lincoln, USA)
Molecular mechanisms governing fungal growth in rice cells.
- 17:15-17:30 Closing Remarks
Prof. Toshinori Kawabata, Dean, Faculty/Graduate School of Agricultural Science (Kobe University, Japan)
- 18:30-20:30 Evening social**