

Virtual Symposium on Food Science



TIME

**19:00-21:10 p.m. in Amherst
9:00-11:10 a.m. in Hokkaido**

Organisers: Hokkaido University and University of Massachusetts Amherst

DATE

**Thursday 29 January in Amherst
Friday 30 January in Hokkaido**



**Zoom
Registration**

CONTACTS:

HU ▶ Taena Uemura, Office for International Collaborations (taenau@oia.hokudai.ac.jp)
UMA ▶ Eric Wirth, Office of Global Affairs (ewirth@umass.edu)

NOTES: - Open to the public, welcoming undergraduate and postgraduate students at both universities
- Japanese subtitles available

150th
HOKKAIDO UNIVERSITY





OVERVIEW



The partnership between Hokkaido University (HU) and the University of Massachusetts Amherst (UMA) dates back to the 19th century, when both universities were the Sapporo and Massachusetts Agricultural Colleges (SAC and MAC respectively) which foundation was hugely supported by an American scholar Dr William Smith Clark the first Vice Principal of SAC and the third President of MAC. In 2023, the two universities' leaderships agreed to deepen research collaborations as Strategic International Partners, established the HU-UMA Joint Research Seed Fund for academic mobility and supported research proposals in Polymer Science and Engineering, Geopolitics, Precision Agriculture, Bio-mechanical Engineering, Aquatic Environment and Fisheries, and others. This Symposium addresses one another common research interest of the two universities: Future of Food. In first of its kind event in Food Science, eight speakers will showcase their approaches in Food Chemistry, Food Safety, Food and Health, and Food Engineering. This is an open opportunity for students, academic and professional staff of the universities to consider potential collaboration seeds, as well as for those who are interested in learning more about the topic.

PROGRAMME

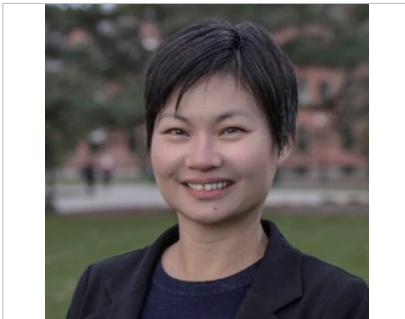
JST	EST	
9:00	19:00	5min. Opening remarks Executive Vice President (Research) Tsuyoshi Setoguchi, HU Prof Lili He, Head of the Department of Food Science, UMA
9:05	19:05	15min. Molecular Properties of Foods #1: Farm and forestry damage caused by Hokkaido sika deer's expanding population and the venison consumption initiatives Prof Jun'ichi Wakamatsu, Research Faculty of Agriculture, HU
9:20	19:20	15min. Molecular Properties of Foods #2: Advanced delivery systems for bioactive food components Distinguished Prof Julian McClements, Department of Food Science, UMA
9:35	19:35	15min. Foods for Health and Wellness #1: Lipidomics for food nutrient analysis Associate Prof Bomme Gowda Siddabasave Gowda, Faculty of Health Sciences, HU
9:50	19:50	15min. Foods for Health and Wellness #2: Engineering the food-gut microbiome interface for human health Prof Hang Xiao, Director of the Food Science Research Initiative, Department of Food Science, UMA
10:05	20:05	15min. Engineering for Future Foods #1: Genetic resources for soybean nutrient content improvement: focus on vitamin E Assistant Prof Maria Stefanie Dwiyanti, Research Faculty of Agriculture, HU
10:20	20:20	15min. Engineering for Future Foods #2 Ultrasensitive food safety monitoring using graphene field-effect transistors Assistant Prof Dmitry Kireev, Ricco College of Engineering, UMA
10:35	20:35	15min. The Safety of Food #1: Various applications of Nuclear Magnetic Resonance (NMR) in Food Science Prof Tomoyasu Aizawa, Faculty of Advanced Life Science, HU
10:50	20:50	15min. The Safety of Food #2: From sanitizer tolerance to allergen reduction: microbial innovations for food safety Associate Prof John Gibbons, Department of Food Science, UMA
11:05	21:05	5min. Wrap-up and Closing Remarks Prof Kenji Monde, Vice Executive Director (International Research), Faculty of Advanced Life Science, HU Associate Prof Matthew Moore, Department of Food Science, UMA

SPEAKERS



Prof Tsuyoshi Setoguchi

Executive Vice President
(Research)
HU



Prof Lili He

Head of the Department
of Food Science
UMA



Prof Jun'ichi Wakamatsu

Research Faculty of Agriculture
HU



**Distinguished Prof
Julian McClements**

Department of Food Science
UMA



**Associate Prof
Bomme Gowda Siddabasave Gowda**

Faculty of Health Sciences
HU



Prof Hang Xiao

Director of the Food Science
Research Initiative
Department of Food Science
UMA



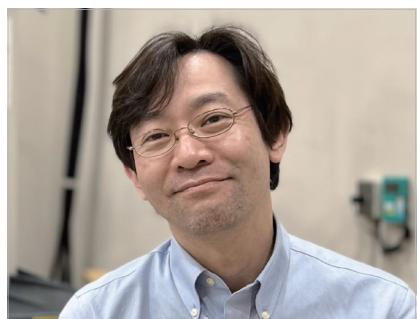
**Assistant Prof
Maria Stefanie Dwiyanti**

Research Faculty of Agriculture
HU



**Assistant Prof
Dmitry Kireev**

Ricco College of Engineering
UMA



Prof Tomoyasu Aizawa

Faculty of Advanced Life Science
HU



Associate Prof John Gibbons

Department of Food Science
UMA



Prof Kenji Monde

Vice Executive Director
(International Research)
HU



Associate Prof Matthew Moore

Department of Food Science
UMA