

# Outline

## Name

International virtual symposium “New Insights on Animal Science”

## Dates

November 22<sup>nd</sup>, 2020

## Venue

Virtual on-line symposium by ZOOM directed from Tohoku University

## Organizers

- Center for Food and Agricultural Immunology (CFAI)
- Graduate School of Agricultural Science, Tohoku University
- Integrated Field Science Center, Graduate School of Agricultural Science, Tohoku University



## Organizing Committee

Shin-ichiro Ogura

Sanggun Roh

Kenshiro Hara

Tao Zhuang

Haruki Kitazawa

Tomonori Nochi

Yoshinobu Uemoto

Kwonjung Yi

## Sponsors

Japan Society for the Promotion of Science (JSPS) Core-to-Core Program “Establishment of international agricultural immunology research-core for a quantum improvement in food safety”



## Introduction of CFAI (Director of CFAI: Dr. Haruki Kitazawa)

The Center for Food and Agricultural Immunology (CFAI) was established in the Graduate School of Agricultural Science, Tohoku University, on April 1, 2015, and has been launched the second five-year period from April 2020 taken over the first period. CFAI consists of the following 4 divisions: 'Agricultural Immunology', 'Safety and Function Evaluation', 'Cooperation with Society' and 'Research and Administration'. The mission of CFAI is to create an intellectual and technical basis for drug-independent health promotion and food safety systems in agriculture. We hope to do this based on interdisciplinary research on the agricultural immunology of plants, livestock as well as fish and shellfish. CFAI has international collaborations with UC Davis and Texas A&M University in the US, Wageningen University and Utrecht University in the Netherlands, Yangzhou University in China and CERELA-CONICET in Argentina. CFAI has also established links with the Food and Agricultural Immunology Network (FAIN) in the Japan Society for the Promotion of Science (JSPS) Core-to-Core Program, A Advanced Research Networks entitled Establishment of international agricultural immunology research-core for a quantum improvement in food safety, including above organizations. A key aim of CFAI is global professional developments in these areas. In order to achieve our mission, we are especially keen to promote research exchange of young researchers and graduate students in the leading international academies.

CFAI will now hold an international virtual symposium entitled "New Insights on Animal Science" in the Graduate School of Agricultural Science, Tohoku University on November 22<sup>nd</sup>, 2020 as an important event in the Core-to-Core Program. This symposium mainly consists of the topics from selected young scientists and PhD students in Yangzhou University and Tohoku University. Through this symposium, I hope that CFAI will be able to develop further the theoretical foundations of animal science by including participants whose specialties include all fields of sciences.

### Haruki Kitazawa (CFAI, Tohoku University)



Haruki Kitazawa is Director of the International Education and Research Center for Food and Agricultural Immunology (CFAI), and Professor of the Laboratory of Animal Animal Food Function (LAFF), Graduate School of Agricultural Science, Tohoku University. He got his PhD on Immunomodulatory functions of phosphopolysaccharides produced by lactic acid bacteria in 1993. He has recently conducted international research works with CERELA-CONICET under JSPS several Joint Research Projects. He also contributes as an editorial board member in *Frontiers in Nutrition*, *Microorganisms* etc, and also as a guest editor in *Frontiers in Immunology* and other international journals. His present research activities focus, in particular, on immunoregulatory activities of immunobiotics and immunosymbiotics, which are a member of probiotics able to beneficially regulate the mucosal immune system, in the gut together with the development of immunobiotic evaluation system via pattern recognition receptor family in vitro by using a variety of livestock cell lines.

### Shin-ichiro Ogura, Symposium Chair

**Field Science Center, Graduate School of Agricultural Science, Tohoku University**



Shin-ichiro Ogura is Director of Integrated Field Science Center (FSC) and Vice Director of Tohoku Agricultural Science Center for Reconstruction (TASCR), and Professor of Laboratory of Land Ecology, Graduate School of Agricultural Science, Tohoku University. He got his PhD in Graduate School of Agricultural Science, Tohoku University in 1997. Following this, he worked at Faculty of Agriculture, Miyazaki University as Assistant Professor, from 1998 to 2003. Since 2003, he has been working at Tohoku University. During his career, he had an opportunity of staying in Macaulay Land Use Research Institute, Scotland in 2002. He is focusing on the plant-animal interactions in grassland ecosystems such as pasture and forage crop production and utilization by ruminant animals, especially diet selection, foraging behavior and nutrient uptake of grazing ruminants. He is now conducting researches to evaluate nutritional characteristics of native plants and its role to animal production, to establish a grazing system in species-rich vegetation.