

# Brown Bag Seminar

# No. 061

Recorded data will be uploaded

Online  
(Zoom)

Scan here for Registration

2022 **8.10** (wed.) **12:10** - **12:50**

12:10-12:15

◆ Introduction

12:15-12:40

◆ Seminar  
(Presentation)

12:40-12:50

◆ Q&amp;A

[https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN\\_aCPC4qq0TbWYe8FkdDu-nw](https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_aCPC4qq0TbWYe8FkdDu-nw)

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# Agriculture and food production in global environment change

Chair: **Prof. Scott Valentine** (Research Promotion Director of Q-AOS)

## Associate Professor **Yushi Ishibashi**

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As the world population grows toward 2050, food production must increase by 1.7 times the current level in order to feed the entire population, and this increase in crop yields must be accomplished under global environmental changes. In addition, the control of greenhouse gases is also an important issue for agriculture. Currently, decarbonization in the agricultural field is underway from various approaches including production sites (cultivation technologies), and new agricultural production technologies are required as we shift to environmentally-friendly agriculture. In this lecture, we will introduce the possibility of constructing new food production technology using adaptation strategies of crops to global environmental changes and developing new crop production technology by fusion of different fields, including current research results.

I am from Kurume city in Fukuoka prefecture, and graduated from Kyushu University in 2008 with a Ph.D (Agriculture). I have been conducting research on cereal crops from genome information to field studies. 2006: Research Fellow of the Japan Society for the Promotion of Science (DC2), 2008: Research Fellow of the Japan Society for the Promotion of Science (PD), 2011: Project Assistant Professor, Graduate School of Agricultural Science, Kyushu University, 2014: Currently in my current position. I am working on food issues in cooperation with researchers in different fields, without being bound by specific research methods, toward the establishment of stable food production technologies under global environmental changes.

### Key Words

**"Global environmental changes"****"crops"****"food"****"environmental adaptation"**