International Symposium

Institute for Food Design and One Health Research
Interdisciplinary Cluster for Cutting Edge Research (ICCER)

PEOPLE
ANIMALS
PLANTS
ENVIRONMENT
FOR A HEALTHIER
TOMORROW

From Genes to Health: Food Design for One Health

Integrating Human, Animal, Plant, and Environmental Sciences

One Health for Sustainable Food Systems



Date and Time:
November 12, 2026 13:00 – 16:55

Place:
Shinshu University, Ina-campus (Room 26)

Program

13:00–13:10	Opening Remarks	**Sachi Tanaka** (Shinshu University)
13:10–13:20	Guest Remarks	**Mariasivlia D'Andrea** (University of Molise)
13:20–13:50	From Forest to Food: Natural Resources of Green Shinshu for the Prevention of Obesity and Steatotic Liver Disease	**Naoki Tanaka** (Shinshu University)
13:50–14:20	From Food-Grade Microbes to Health: Harnessing *Lactococcus lactis* for Next-Generation Oral Vaccines	**Valentina Yurina** (Brawijaya University)
14:20–14:50	From Stress Responses to Adaptation: Cellular and Nutritional Strategies for Poultry Health	**Yukako Tokutake** (Shinshu University)
14:50–15:20	Coffee break	
15:20–15:50	A One Health Approach to Selenium Using Duckweed: Bridging Sustainable Aquatic Remediation and Micronutrient Reuse.	**Jorge Enrique Ascencio Damián** (Shinshu University)
15:50–16:20	Integrating Genomics, Omics and Bioinformatics for Sustainable Agriculture and Food	**Valentino Palombo** (University of Molise)
16:20–16:50	Data Science-Driven Plant Genomics and Breeding for a One Health Future	**Fumiya Kondo** (Shinshu University)
16:50–16:55	Closing Remarks	**Sachi Tanaka** (Shinshu University)

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Knowledge for a Healthier Planet