

The International Symposium on One Health by Sustainable Bio-ecosystem



- Understanding and utilizing plant-microbe
interactions in agricultural soils -

September 6, 2024

9:45a.m. - 5:25p.m. JST

Doors open 30 minutes prior.

Venue

Okuma Auditorium, Building No.21, Waseda Campus, Waseda University, Tokyo, Japan

* You can join the symposium online as well.

* Simultaneous interpretation between Japanese and English is available.

Host

- Waseda University
- Consortium for "The platform for sustainable farming by environmental control based on the microbe atlas of the soil," Moonshot Goal 5
- Integrated Institute for Regulatory Science, Research Organization for Nano & Life Innovation, Waseda University

Co-Hosts

- Institute of Global Innovation Research, Tokyo University of Agriculture and Technology

Support

- Bio-oriented Technology Research Advancement Institution (BRAIN)
- Japan Bioindustry Association (JBA)

Application

Please fill out the registration form at the following URL:

<https://forms.gle/pEUi2GtdQYU7bPwg7>

Application deadline: September 5, 1:00p.m.



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Program		
Presenter	Affiliation	Title
9:45 - 11:50		
Haruko Takeyama	Professor, Waseda University	Welcome Words
Aiji Tanaka	President, Waseda University	Opening Remarks
Jean-Eric Paquet	Ambassador of the European Union (EU) to Japan	Introductory Address I
TBD	Ministry of Agriculture, Forestry and Fisheries	Introductory Address II
TBD	The Directorate-General for Agriculture and Rural Development (DG AGRI)	Keynote I
Kazuhiro Chiba	President, Tokyo University of Agriculture and Technology (Program Director, Moonshot Goal 5)	Keynote II : Value Creation based on Social Risk Reduction and Global Linkages
Haruko Takeyama	Professor, Waseda University (Project Manager, Moonshot Goal 5)	(On Microbe Atlas of Soil)
13:00 - 14:30		
Ryusuke Hatano	Emeritus Professor, Hokkaido University (Associate member of the Science Council of Japan)	(Soil Science)
Gary Stacey	Curators' Distinguished Professor, University of Missouri	(Plant Molecular Biology)
Karsten Temme	Chief Innovation Officer and Co-Founder, Pivot Bio	(A business perspective: Microbial Nitrogen)
Naoko Ohkama-Ohtsu	Tokyo University of Agriculture and Technology (Project Member, Moonshot Goal 5)	Research and development of biofertilizers containing soil microorganisms that confer environmental stress resistance to crop plants
Claudia Knief	Professor, University of Bonn	Root structure and photosynthate allocation determine interactively spatial patterns in the maize rhizosphere microbiota
14:45 - 15:45		
Sofie Goormachtig	Professor, Ghent University	Capturing rhizobia to introduce high-protein yielding soybeans in Europe
Edoardo Puglisi	Associate Professor, Università Cattolica del Sacro Cuore	The beneficial soil microbiome: from soil quality indicators to the development of microbial biostimulants and biopesticides
Brett Ferguson	Associate Professor, The University of Queensland	Molecular Mechanisms of Legume Nodulation Control
16:00 - 17:25		
Minami Matsui	Project Professor, Yokohama City University (Project Member, Moonshot Goal 5)	Soil conditions affect expression profiles of genes involving plant-soil communication.
Akiko Hanada	Taiheiyo Cement Corporation (Project Member, Moonshot Goal 5)	Development of technology to utilize for phosphorus derived from wastewater: phosphorus recovery initiatives at Taiheiyo Cement Corporation
Satoshi Wada	RIKEN (Project Member, Moonshot Goal 5)	(Agriculture Measurement)
Isao Tsuru	President and CEO, Loco Door Co., Ltd.	(Sustainable Agricultural Production)
Yasunori Ichihashi	RIKEN (Project Member, Moonshot Goal 5)	Development of Agricultural Digital Twins
Takayuki Honma	Permanent director, Waseda University	Closing Remarks

Contact

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