

2nd Colloquium, SATREPS-Peru Project on Establishment of an Alert System for *Fusarium oxysporum* f. sp. *cubense*, the Banana and Plantain Wilt Pathogen, and Biological Mitigation Strategy of the Disease

Date: Monday November 10, 2025, 13:20–17:00 (Japan Standard Time)
Venue: Multi Purpose Rm, 1st Floor, 2nd Buid, Fuchu-Campus, Tokyo University of Agriculture and Technology (TUAT)
3-5-8 Saiwaicho, Fuchu 335-0026, Tokyo, Japan
URL: https://www.tuat.ac.jp/outline/overview/access/fuchu/campus_map/
Zoom meeting: <https://tuat-jp.zoom.us/j/82638722269?pwd=M7uIHftHU0J54eDNMnMCJkNfEZMobs.1>

AGENDA



Greetings (13:20-13:30)
ARIE, Tsutomu (TUAT)

Special lectures (13:30-15:30)

Prof. Sou SUGIHARA (TUAT): Metagenomic analysis of soil and soil properties (in Japanese)

Dr. Shuta ASAI (TUAT): Genome-based insights into the pathogenicity and
host specificity of *Fusarium oxysporum*

Progress report on each topic of the SATREPS-Peru project (15:45-16:45)

#1: **Dr. Takeshi KASHIWA (JIRCAS)**

#2 and #3: **Prof. Nobumitsu SASAKI (TUAT)**

#4: **Prof. Kazutaka KIDO & Prof. Motoichiro KODAMA (Tottori U)**

#4 and #5: **Ms. Carla Ximena TRIGOSO HIDALGO (UNALM) & Prof. Tsutomu ARIE (TUAT)**

#1 Diagnostic and alert systems for banana/plantain wilt disease

#2 Development of FW-resistant banana/plantain lines by mutagenesis

#3 Establishment of systems to produce and distribute pathogen-free seedlings

#4 Elucidation of effective microbial ecosystem (microbiota) that constitutes FW-disease suppressive soils

#5 Development of environmental-safe biological control using microorganisms or microbial ecosystems



Peru

Universidad Nacional Agraria La Molina (UNALM)
Instituto Nacional de Innovación Agraria (INIA)
Universidad Nacional Agraria de la Selva (UNAS)

Japan

Tokyo University of Agriculture and Technology (TUAT)
Tottori University
Japan International Research Center for Agricultural
Sciences (JIRCAS)

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