

Tokyo University of Agriculture and Technology (TUAT) Institute of Global Innovation Research Symposium 2019

【Date】 November 19, 2019 (Tue) (1) 13:00~18:00 (2) 18:20~19:30
【Venue】 Tokyo University of Agriculture and Technology (TUAT), Koganei Campus
(1) Symposium : Building#1 1st Floor, Green Hall
(2) Banquet : 140th anniversary memorial hall “Ellipse” 3F, Multipurpose hall

【Schedule】

(1) Symposium

Facilitator: Dr. Shinya Kajita

13:00-13:05 Opening Remarks (Dr. Isao Ogiwara, Trustee for Academic Affairs and Research, Vice-President, TUAT)

13:05-13:15 Welcome Message / Introduction of GIR Project (Prof. Dr. Hidehiro Kamiya, Dean)

13:15-14:05 **Presentation by International Distinguished Researcher**

Dr. Gary Stacey (“Food” Ohtsu Team)

Chair: Dr. Naoko Ohtsu

“Exploring the mechanisms by which rhizosphere bacteria promote plant growth”

Dr. Roy C. Sidle (“Food” Gomi Team)

Chair: Dr. Takashi Gomi

“Assessment of Hydrogeomorphic Hazards in the Context of Sustainable Land Management”

14:05-14:15 Coffee break

14:15-15:35 **Presentation by Research Teams** (Chair: Dr. Masaharu Kameda, Vice-Dean, Technology)

Dr. Takashi Gomi (“Food” Gomi Team)

Dr. Taishi Umezawa (“Food” Umezawa Team)

Dr. Yoichi Tominaga (Dr. Takahiro Ichikawa) (“Energy” Tominaga Team)

Dr. Tetsuya Mizutani (Dr. Yutaka Kuroda) (“Life Science” Mizutani Team)

15:35-16:15 **Poster Presentation by GIR Assistant Professors**

16:15-17:30 **Presentation by International Distinguished Researcher**

Dr. Michal Bockowski (“Energy” Group)

Chair: Dr. Yoshinao Kumagai

“GaN-on-GaN technology - challenges and perspectives”

Dr. Andrzej Cichocki (“Life Science” Tanaka Team)

Chair: Dr. Toshiyuki Kondo

“Time Series and Image Reconstruction using Block Hankel Tensors and Tensor Networks Completion”

Dr. Micha Fridman (“Life Science” Shinohara Team)

Chair: Dr. Kyosuke Shinohara

“Changing the Molecular Zip Code: Addressing Antifungal Drugs to the Correct Organelle can Markedly Enhance their Efficacy”

17:30-17:45 **Comments from members of External Review Committee**

3 committee members

17:45-17:50 Closing Remarks (Prof. Dr. Hiroyuki Ohno, President of TUAT)

※The symposium will be held in English

※A group photo shoot is scheduled immediately after the symposium finishes.

(2) Banquet

Facilitator: Dr. Kan Sato

18:20-19:30 Banquet, 140th anniversary memorial hall “Ellipse” 3F, multipurpose hall

【Contact】

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■Presentation by International Distinguished Researcher

- 13:15-14:05 **Dr. Gary Stacey** (University of Missouri, USA) (“Food” Ohtsu Team) **Chair: Dr. Naoko Ohtsu**
“Exploring the mechanisms by which rhizosphere bacteria promote plant growth”
Dr. Roy C. Sidle (University of Central Asia, Tajikistan) (“Food” Gomi Team) **Chair: Dr. Takashi Gomi**
“Assessment of Hydrogeomorphic Hazards in the Context of Sustainable Land Management”

14:05-14:15 Coffee Break

■Presentation by Research Teams **Chair: Dr. Masaharu Kameda, Vice-Dean, Technology**

- 14:15-15:35 **Dr. Takashi Gomi** (“Food” Gomi Team)
“Research and development of green infrastructure for resilient rural and mountainous areas”
Dr. Taishi Umezawa (“Food” Umezawa Team)
“Functional and biochemical interactions between abiotic and biotic stress responses in plants”
Dr. Yoichi Tominaga (Dr. Takahiro Ichikawa) (“Energy” Tominaga Team)
“Development of polymeric materials for flexible energy conversion/storage devices”
Dr. Tetsuya Mizutani (Dr. Yutaka Kuroda) (“Life Science” Mizutani Team)
“Research on emerging viral infectious diseases outbreaks in the near future”

■Poster Presentation by GIR Assistant Professors

15:35-16:15

■Presentation by International Distinguished Researcher

- 16:15~17:30 **Dr. Michal Bockowski** (Polish Academy of Sciences, Poland) (Energy Group) **Chair: Dr. Yoshinao Kumagai**
“GaN-on-GaN technology - challenges and perspectives”
Dr. Andrzej Cichocki (Skolkovo Institute of Science and Technology, Russia) (“Life Science” Tanaka Team)
“Time Series and Image Reconstruction using Block Hankel Tensors and Tensor Networks Completion”
Chair: Dr. Toshiyuki Kondo
Dr. Micha Fridman (Tel Aviv University, Israel) (“Life Science” Shinohara Team)
“Changing the Molecular Zip Code: Addressing Antifungal Drugs to the Correct Organelle can Markedly Enhance their Efficacy”
Chair: Dr. Kyosuke Shinohara