

Program

February 5th (Monday)

10:00–10:30 Opening Address:

Dr. Masanori Kasahara

Vice President / Vice Director of the Global Institution for Collaborative Research and Education (GI-CoRE), Hokkaido University

Dr. Tomomi Marutani

Director of Global Station for Food, Land and Water Resources, GI-CoRE / Research Faculty of Agriculture, Hokkaido University

10:30–11:30 Keynote Lecture I:

Dr. Evan H. DeLucia

G. William Arends Distinguished Professor of Integrative Biology,
Baum Family Director, Institute for Sustainability, Energy, and Environment,
Director, Center for Advanced Bioenergy and Bioproducts Innovation – CABBI,
University of Illinois at Urbana-Champaign, USA

“Feedstock, conversion, and sustainability research in the Center for Advanced Bioenergy and Bioproducts Innovation (CABBI): Accelerating discovery toward a sustainable bio-economy”

11:30–12:30 Keynote Lecture II:

Dr. Lee Lynd

Paul E. and Joan H. Queneau Distinguished Professor in Biology, Co-Founder and Chief Scientific Officer of Enchi Corporation Biomass Deconstruction and Conversion Focus Area Leader, DOE Bioenergy Science Center,
Executive Committee Chair, Global Sustainable Bioenergy Initiative, Dartmouth College, USA

“Low cost cellulosic biofuels: New questions in pursuit of new answers”

12:30–14:00 Lunch

14:00–14:30 Dr. Toshihiko Yamada

Professor of GI-CoRE / Field Science Center for Northern Biosphere, Hokkaido University

“Lignocellulosic perennial biomass crops to establish bio-economy society”

- 14:30–15:00 Dr. Lindsay Clark,
Research Assistant Professor, University of Illinois at Urbana-Champaign, USA
“Patterns of genetic diversity in *Miscanthus sacchariflorus* and *M. sinensis* across East Asia”
- 15:00–16:30 Coffee Break & Poster Session Posters presentation by students including
Graduate School of Global Food Resources
- 16:30–17:00 Dr. Tomomichi Kato
Assistant Professor of GI-CoRE / Research Faculty of Agriculture, Hokkaido University
“Detection of ecosystem-level photosynthesis by Solar-Induced Chlorophyll Fluorescence in rice paddy field”
- 17:00–17:30 Dr. Taichi Takasuka
Assistant Professor of GI-CoRE / Research Faculty of Agriculture, Hokkaido University
“Novel insect symbionts cellulolytic *Streptomyces* potentiate plant biomass refinery”

February 6th (Tuesday)

- 10:30–11:00 Dr. Ken'ichiro Matsumoto
Associate Professor of Faculty of Engineering, Hokkaido University
“Microbial synthesis of unusual polyhydroxyalkanoate from lignocellulosic biomass”
- 11:00–11:30 Dr. Souichiro Kato
Senior Researcher, National Institute of Advanced Industrial Science & Technology
/ Associate Professor of Graduate School of Agriculture
“Microbial electrochemistry for bioproduction and energy conversion technologies”
- 11:30–12:00 Dr. Shota Atsumi
Associate Professor, Department of Chemistry, University of California, Davis, USA / Associate Professor of GI-CoRE, Hokkaido University

“Cyanobacterial Chemical Production from CO₂”

12:00–13:30	Lunch
13:30–14:00	Dr. Tohru Dairi Professor of Graduate School of Chemical Science and Engineering, Hokkaido University “Heterologous and high production of <i>ergothioneine</i> in <i>Escherichia coli</i> ”
14:00–15:00	Keynote Lecture III Dr. Akihiko Kondo Professor of Graduate School of Engineering, Kobe University / Team Leader, RIKEN Cell Factory Research Team “Development of microbial cell factories by engineering cell surface and synthetic metabolic pathway”
15:00–15:30	Coffee Break
15:30–16:20	General Discussion
16:20–16:30	Closing Remark

Symposium Chair: Prof. Toshihiko Yamada, GSF / Field Science Center for Northern Biosphere

For any enquiries, please contact:

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