

2018 AFOB SUMMER FORUM

Current Issues in Biotechnology for
Human Health and Welfare in Asia

August 22(Wed) - 24(Fri), 2018

Holiday Inn, Incheon Songdo, Korea



Asian Federation of Biotechnology



AFOB Summer Forum is a biennial event of Asian Federation of Biotechnology (AFOB). The 1st AFOB Summer Forum was held in Qingdao, Mainland China in August, 2016, and this is the 2nd one. The Forum aims to stimulate presentation and discussion among thought leaders on current social, industrial, and ethical issues related with biotechnology rather than academic or technical issues. We expect that the forum brings together academic researchers, industrial practitioners and government officials

Date_ August 22-24, 2018

Venue_ Holiday Inn, Incheon Songdo, Korea
<https://incheonsongdo.holidayinn.com/en>

Hosted by_ AFOB Korean RBO

Important Dates_ July 20, 2018

- Abstract Submission Deadline
- Early Bird Registration Deadline

Language_

Official language of the Forum is ENGLISH.

Registration and Fees_

All participants should complete registration and payment through AFOB Registration System.
 (summerforum.afob.org)

Early Bird (Up to July 20, 2018)		Standard (After July 20, 2018)	
Regular	Student	Regular	Student
300 USD	150 USD	350 USD	175 USD

Themes_ Div.I : Emerging Diseases

Div.II : Bioenergy & Biomass

Div.III : Bioindustry

Div.IV : Biopharmaceuticals

Div.V : Food Biotechnology

Official Homepage_

<http://summerforum.afob.org>

PROGRAM

Date	Time	Program	
DAY 1 Aug. 22 (Wed)	17:00 –	Registration (B1F, Michuhol)	
	18:30 - 21:00	Welcome Reception (B1F, Michuhol)	
DAY 2 Aug. 23 (Thu)	08:00 – 09:00	Registration (2F)	
	09:00 – 09:30	Opening Ceremony (2F, Grand Ballroom)	
	09:30 – 12:00	Plenary Lectures (2F, Grand Ballroom)	
	12:00 - 13:30	Lunch (B1F, Michuhol)	
	13:30 - 15:00	Division I : Emerging Diseases (Session 1: 2F, Grand Ballroom 1)	Division II : Bioenergy & Biomass (Session 1: 2F, Grand Ballroom 2)
	15:00 – 15:30	Coffee Break	
	15:30 – 17:00	Division I : Emerging Diseases (Session 2: 2F, Grand Ballroom 1)	Division II : Bioenergy & Biomass (Session 2: 2F, Grand Ballroom 2)
	17:00 - 18:30	Poster Presentation	Division III : Bioindustry (2F, Multi-Function Room)
	18:30 – 21:00	Banquet (B1F, Michuhol)	
DAY 3 Aug. 24 (Fri)	09:00 - 10:30	Division IV : Biopharmaceuticals (Session 1: 2F, Grand Ballroom 1)	Division V : Food Biotechnology (Session 1: 2F, Grand Ballroom 2)
	10:30 - 11:00	Coffee Break	
	11:00 - 12:30	Division IV : Biopharmaceuticals (Session 2: 2F, Grand Ballroom 1)	Division V : Food Biotechnology (Session 2: 2F, Grand Ballroom 2)
	12:30 - 13:00	Closing Ceremony (2F, Grand Ballroom)	
	13:00 - 14:00	Lunch (B1F, Michuhol)	
	14:00 - 17:00	Technical Tour (Samsung Biologics & GE Healthcare)	
Aug. 25 (Sat)	Half day (Morning)	Optional Excursion (For more information, see the end of this circular.)	

LOCAL ORGANIZING COMMITTEE

Chair_ Tai Hyun Park (Seoul National University)

Secretary General_ Duk Jae Oh (Sejong University)

Members_

Hyung Joon Cha (Postech)

Sung Ok Han (Korea University)

Tae-Joon Jeon (Inha University)

Beom Soo Kim (Chungbuk National University)

JinWoo Kim (Sunmoon University)

Choul-Gyun Lee (Inha University)

Min-Kyu Oh (Korea University)

Chulhwan Park (Kwangwoon University)

Jung-Keug Park (Dongguk University)

Beom-Seop Rho (Incheon Business Information
Technopark)

Jong-In Won (Hongik University)



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- Yew-Min Tzeng (Taiwan)

SCIENTIFIC COMMITTEE

- Agricultural and Food Biotechnology Division: Duong Hoa Xo (Vietnam)
- Applied Microbiology Division: Guo-Qiang Chen (China)
- Biopharmaceutical and Medical Biotechnology Division: Yew-Min Tzeng (Taiwan)
- Biocatalysis and Protein Engineering Division: Teruyuki Nagamune (Japan)
- Bioprocess and Bioseparation Engineering Division: Yoon-Mo Koo (Korea) & Fengwu Bai (China)
- Bioenergy and Biorefinery Division: Wen-Teng Wu (Taiwan)
- Environmental Biotechnology Division: Mohd Ali Hassan (Malaysia) & Masao Fukuda (Japan)
- Marine Biotechnology Division: Choul-Gyun Lee (Korea)
- Nanobiotechnology, Biosensors and Biochips Division: Xian-En Zhang (China)
- Systems and Synthetic Biotechnology Division: Sang Yup Lee (Korea) & Zixin Deng (China)
- Tissue Engineering and Biomaterials Division: I-Ming Chu (Taiwan) & Jung-Keug Park (Korea)
- Bioindustry Promotion and Bioeducation Division: Satyahari Dey (India) & Gaojun Yue (China)

FORUM DIVISION ORGANIZERS

- Emerging Diseases (Division I): Yong Ho Park (Korea)
- Biomass and Bioenergy (Division II): Choul-Gyun Lee (Korea)
- Bioindustry (Division III): Wen-Chien Lee (Taiwan)
- Biopharmaceuticals (Division IV): Tae Gyu Lee (Korea)
- Food Biotechnology (Division V): Jong-Hyun Park (Korea)



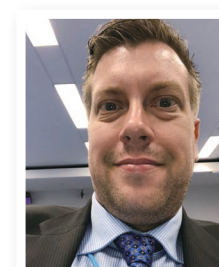
PLEANARY SPEAKERS



Tae Han Kim

(Samsung Biologics, Korea, CEO)

Title : New Challenge by Samsung in Biopharmaceutical Business



Filip Claes

(Food and Agriculture Organization of the United Nations, Regional Laboratory Coordinator for Asia and the Pacific)

Title : Practical Biotechnology in Food and Agriculture: Tools for the People



Dong-Sung Cho

(Incheon National University, Korea, President)

Title : INU's Strategy to Become a Bio-focused Research University

KEYNOTE SPEAKERS

| Emerging Diseases |

*Yasuyoshi Ike

(Gunma University, Japan, Professor Emeritus)

Title : Development of Antimicrobial Agents and Evolution of the Super-Multiresistant Bacteria

*Sun Young Hwang

(Haemaru Small Animal Clinical Research Institute and Referral Animal Hospital, Korea, Director)

Title : Antimicrobial Resistance of Infectious Pathogens in Companion Animals

*Woo-Joo Kim

(Korea University, Korea, Professor)

Title : Response Strategy to Emerging Infectious Diseases: Lessons from 2015 MERS-CoV Outbreak

*Jang Won Yoon

(Kangwon National University, Professor)

Title : Shiga Toxin Producing Escherichia Coli Infections in Humans and Animals

*Annop Kunavongkrit

(Chulalongkorn University, Thailand, Former Dean, College of Vet Med)

Title : Common Zoonotic Diseases in Pig Production : Emerging or Re-emerging Issue

*Sung Woo Kim

(MiCo BioMed Co., Ltd., CEO)

Title : Rapid Diagnosis of Infectious Diseases Using a Portable LabChip-based Real-time PCR



| Bioenergy & Biomass |

*Michael A. Borowitzka

(Murdoch University, Australia, Emeritus)

Title: Biomass and Bioenergy in Australia: Trends and Policiesw

*Charin Techapun

(Chiang Mai University, Thailand, Professor)

Title: Trends and Policies in Bioenergy and Biomass in Thailand

*Akihiko Kondo

(Kobe University, Japan, Professor)

Title: Development of Genome Editing and Synthesis Technologies which Facilitate the Construction of Microbial Cell Factories

*Fengwu Bai

(Shanghai Jiao Tong University, China, Professor)

Title: Perspectives for Biomass Resources and Bioenergy Production in Asia and Beyond

*Jin Suk Lee

(Korea Institute of Energy Research, Korea, Professor)

Title: Recent Developments and Key Barriers on Advanced Biofuels

| Bioindustry |

*Goutam Ghosh

(R&D and Technology Management Group, Panacea Biotec Ltd., India, Senior Vice President & Head)

Title: Development of a Novel Vaccine: the Challenges and Opportunities

*Klararong Sriroth

(Mitrphol Sugar Co. Ltd., Thailand, Director)

Title: Current Status of Bioindustry in Thailand

*Satyahari Dey

(Department of Biotechnology/ Science&Technology Entrepreneurs' Park, Indian Institute of Technology Kharagpur, India, Professor & Managing Director)

Title: Asian Bioeconomy: Need for a Strategic Document

*Ching-Kuan Lin

(Challenge Bioproducts Co., Ltd., Taiwan, President)

Title: Strategy of Advanced Biochemical Product Development

*Guojun Yue

(SDIC, China, Chairman)

Title: Current Status of Bioindustry in China

*Senyon (Teddy) Choe

(MOGAM Institute for Biomedical Research, Director & President)

Title: Current Status of Bioindustry in Korea

| Biopharmaceuticals |

*Brian Yang

(Scrip, Informa PLC, China, Senior Writer)

Title: Current Status of Innovative Biotherapeutics in China: From Antibody Platforms to CAR-T Therapies

*Jin-San Yoo

(PharmAbcine, Korea, President & CEO)

Title: Clinical Development of Tanibirumab and its IO combination strategy

*Truong Hai Nhung

(Laboratory of Stem Cell Research and ApplicationHo Chi Minh City University of Science, Vietnam, Ph.D, Deputy-Head of Laboratory of Stem Cell and Application)

Title: Current Status of Regenerative Medicine and Stem Cell Therapy in Vietnam

*Yeul-Hong Kim

(Korea University, Professor)

Title: The Innovative Approach of Cancer Drug Development Through Precision Medicine

*Lam Kong Peng

(Bioprocessing Technology Institute Agency for Science, Technology and Research,Singapore, Executive Director)

Title: Current Status and Future Prospects for Biotechnology, Bioprocessing and Bio-manufacturing Industry in Singapore



| Food Biotechnology |

*Sin-Hyeog Im

(POSTECH/IBS, Professor)

Title: Probiotics and Pharmabiotics: Current Status and Future Prospects

*Ying-Chieh Tsai

(National Yang-Ming University, Taiwan, Professor)

Title: Microbiota-Gut-Brain Axis, Psychobiotics, and Neuropsychiatric disorders

*Yuan Kun Lee

(National University of Singapore, Singapore , Professor)

Title: Gut Microbiota in Health and Diseases: an Asian Perspective

*Tadao Saito

(Tohoku University, Japan, Professor)

Title: Production of Prebiotics Including Human Milk Oligosaccharides (HMO) and Utilization to Functional Foods

OPTIONAL EXCURSION

Korean Folk Village (KFV) – Traditional Cultural Theme Park_



New and Varied Traditions_

It offers various unique hands-on programs related to traditional culture, such as historical dramas and folk games. The KFV also organizes events and activities with diverse themes and concepts reinterpreted to reflect our times.

Touch and Feel! Live Traditional Experiences_

The programs incorporate a variety of hands-on activities related to Korean arts and culture, ranging from daily life experiences, folk games, and handicraft workshops.

Orthodox and Healthy, Delicious Korea_

Regional specialties from across the country are served in the Street Market, which was made to recreate the original appearance of street markets in the Joseon period. Every dish is prepared in an authentic Korean home style using only natural seasonings.

(Ref. & for more info at <https://www.koreanfolk.co.kr/multi/english/>)



CONTACT - For more information, please visit <http://summerforum.afob.org> or contact:
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