

# Symposium program

Date : October 17 (Thu) ~ 18 (Fri), 2013

Venue : Conference Room, Hana Square (B1), Korea University, Seoul, Korea

Organizers : IUFoST-ISFANS, MFDS, NIFDS, KoSFoST, KU-FFRC

Supervisor : Korea University Functional Food Research Center (KU-FFRC)

## ■ October 17 (Thursday)

08:30 -	Registration
08:50 - 08:55	Welcoming Remarks <i>Dean &amp; Prof. Ik Hwan Kim (Korea University, Korea)</i>
08:55 - 09:00	Opening Remarks <i>Prof. Hyun Jin Park (Korea University, Korea)</i>
<b>Session 1 : Regulatory Issues Related with Nanofood</b> <i>Chair : Sang-Gi Min (Konkuk University, Korea)</i>	
09:00 – 10:00	<b>Advances in Research and Development of Nanotechnology for Food and Nutrition Applications and Implications</b> <i>Dr. Hongda Chen (National Program Leader of Bioprocess Engineering and Nanotechnology, USDA, USA)</i>
10:00 – 10:30	<b>Toxicological Aspects of Food Grade Nanomaterials in Vitro and in Vivo: Toxicity, Biokinetics, and Biological Interaction</b> <i>Prof. Soo-Jin Choi (Seoul Women's University, Korea)</i>
10:30 – 10:45	Coffee Break
10:45 – 11:45	<b>Safety Assessment Challenges for Nanofoods</b> <i>Dr. Qasim Chaudhry (The Food and Environment Research Agency, UK)</i>
11:45 – 12:15	<b>Definition and Processing Procedure of Nanofoods</b> <i>Prof. Hyun Jin Park (Korea University, Korea)</i>
12:15 - 13:30	Lunch Time
<b>Session 2 : Applications of Nano Science and Technology in Food (1)</b> <i>Chair : Seung Jun Choi (Seoul National University of Science and Technology, Korea)</i>	
13:30 – 14:30	<b>An Overview of Opportunities and Challenges of Food Nanoscience/Technology</b> <i>Prof. Rickey Yada (University of Guelph, Canada)</i>
14:30 – 15:00	<b>Applications of Food Nanotechnology for the Advanced Organoleptic Characteristics</b> <i>Prof. Mi-Jung Choi (Konkuk University, Korea)</i>
15:00 – 15:30	<b>Enzymatic Synthesis of Biopolymer-Based Nanocarrier</b> <i>Prof. Young-Rok Kim (Kyung Hee University, Korea)</i>
15:30 – 16:00	Coffee Break
16:00 – 17:00	<b>Standardization and Definition of Food Nanotechnology in Taiwan</b> <i>Prof. An-I (Andy) Yeh (National Taiwan University, Taiwan)</i>
17:00 – 17:30	<b>Utilization of Starch for Aqueous Nano-Dispersion Preparation with Hydrophobic Bioactives</b> <i>Prof. Seung-Taik Lim (Korea University, Korea)</i>
18:00 -	Banquet – Sejong Hotel

# Symposium program

Date : October 17 (Thu) ~ 18 (Fri), 2013

Venue : Conference Room, Hana Square (B1), Korea University, Seoul, Korea

Organizers : IUFoST-ISFANS, MFDS, NIFDS, KoSFoST, KU-FFRC

Supervisor : Korea University Functional Food Research Center (KU-FFRC)

## ■ October 18 (Friday)

### Session 3 : Applications of Nano Science and Technology in Food (2)

Chair : Hyang Sook Chun (Chung-Ang University, Korea)

09:30 – 10:30	<b>Nanostructure of Milk and Food Nanotechnology in Australia</b> <i>Prof. Bhesh Bhandari (University of Queensland, Australia)</i>
10:30 – 11:00	<b>Classification of Nanotechnology-Applied Food Ingredients</b> <i>Prof. Sanghoon Ko (Sejong University, Korea)</i>
11:00 – 11:15	Coffee Break
11:15 – 11:45	<b>Formulations of Nanotechnology-Applied Foods</b> <i>Prof. Jun Tae Kim (Keimyung University, Korea)</i>
11:45 – 12:45	<b>Micro/Nano-Engineering for Formulation of Functional Foods</b> <i>Prof. Mitsutoshi Nakajima (University of Tsukuba, Japan)</i>
12:45 - 14:00	Lunch Time

### Session 4 : Applications of Nano Science and Technology in Food (3)

Chair : Jong Tae Kim (KFRI, Korea)

14:00 – 15:00	<b>Nanotechnology for the Food Industry and Trends in Thailand</b> <i>Prof. Chitsuda Chaisakdanugull (Rangsit University, Thailand)</i>
15:00 – 15:30	<b>Safety and Pathways of Intestinal Absorption for Chitosan Nanocarriers</b> <i>Prof. Xi Guang Chen (Ocean University of China, China)</i>
15:30 – 15:50	<b>Novel Methods for Enhanced Payload and Photoprotection Capacity for Nanocarriers</b> <i>Prof. Minh-Hiep Nguyen (Hochiminh University, Vietnam)</i>
15:50 – 16:10	<b>Skin Penetration for Nanocarriers</b> <i>Prof. Ming Kong (Ocean University of China, China)</i>
16:10 – 17:30	<b>Round Table Discussion</b> <i>Chaired by Prof. Hyun Jin Park (Korea University, Korea)</i>