

20th KPPS Symposium Program (June 24-25, 2016)**Venue: Osaek Greenyard Hotel, Yangyang, Korea**

June 24		
Time	Speaker	Title
13:00-13:50	Registration	
13:50-14:00	Welcome address	
14:00-15:10	Session I : Understanding cellular function with protein structure information	
14:00-14:25	Changlin Tian	Structure and Function Studies of Mambalgin-1 Binding to ASIC1a using NMR and two-Photon Fluorescence Microscopy
14:25-14:50	Prof. Kwangkook Lee	Architecture and function of the botulinum neurotoxin complex for protection and delivery
14:50-15:10	Mi Sun Jin	New Structural and mechanistic insights into P-glycoprotein as a multidrug transporter
15:10-15:25	Coffee break	
15:25-16:00	Plenary lecture	
15:25-16:00	Victor J. Hruby	Structural and dynamic considerations for the design of multivalent ligands for the detection and treatment of cancer
16:00-17:05	Session II : Peptides & proteins as therapeutic agents	
16:00-16:25	Hirokazu Tamamura	Mid-Size Drugs: HIV Fusion Inhibitors Based on the C34 Dimer/Trimer Derived from gp41
16:25-16:45	Woon Ju Song	Design of a <i>De Novo</i> Metallo-Hydrolase with <i>In Vivo</i> Activity
16:45-17:05	Tae Gyu Lee	Systemic Analysis of Biotherapeutics in Osong New Drug Development Center (NDDC)
17:05-18:30	Poster session	
18:30-20:00	Banquet	

June 25		
Time	Speaker	Title
09:30-10:05	Plenary lecture	
09:30-10:05	Saburo Aimoto	Progress in the Synthetic Method of Proteins using Peptide Thioesters as Building Blocks
10:05-10:20	Coffee break	
10:20-12:15	Session III : Application of peptide for biological study	
10:20-10:45	Hisakazu Mihara	Designed Peptide Libraries for Cell Analyses
10:45-11:05	Jae Hyun Bae	Controlling Selectivity of Receptor Tyrosine Kinase Signaling
11:05-11:30	Yoshio Hayashi	Application of Mid-sized Peptides in Medicinal Chemistry - New Approaches to Cancer Therapy -
11:30-11:55	Minying Cai	Use of Plasmon Waveguide Resonance (PWR) Spectroscopy to Study Selective Cellular Signaling in G-Protein Coupled Receptors in Response to Ligands
11:55-12:15	Dae-Hyuk Kweon	Regulation of Neuronal SNARE Zippering: The Underlying Technology for Development of Botox Substitutes
12:15-13:30	Lunch	
13:30-15:25	Session IV : Application of peptide for biochemical study	
13:30-13:55	Shiroh Futaki	Membrane-remodeling Amphyathic Helical Peptides Accelerate Direct Penetration of Octaarginine
13:55-14:20	Hiroyuki Konno	TBA
14:20-14:40	Young-Pil Kim	<i>In Vitro</i> and <i>In Vivo</i> Diagnosis of Matrix Metalloproteinase Activity Using Peptide-Conjugated BRET Probes
14:40-15:05	Yoshiaki Yano	TBA
15:05-15:25	Jung-Min Kee	Phosphohistidine, a Dark Matter in the Phosphoproteome
15:25-15:40	Poster awards	
15:40-15:45	Closing remarks	

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Invited speakers

Plenary lecture speakers

Victor J. Hruby (University of Arizona, USA)

Saburo Aimoto (Osaka University, Japan)

Session lecture speakers

Changlin Tian (University of Science & Technology of China, China)

Kwangkook Lee (The University of Texas M. D. Anderson Cancer Center, USA)

Mi Sun Jin (GIST, Korea)

Hirokazu Tamamura (Tokyo Medical and Dental University, Japan)

Woon Ju Song (Seoul National University, Korea)

Tae Gyu Lee (Osong Medical Innovation Foundation, Korea)

Hisakazu Mihara (Tokyo Institute of Technology, Japan)

Jae Hyun Bae (DGMIF, Korea)

Yoshio Hayashi (Tokyo University of Pharmacy and Life Sciences, Japan)

Minying Cai (University of Arizona, USA)

Dae-Hyuk kweon (Sungkyunkwan University, Korea)

Shiroh Futaki (Kyoto University, Japan)

Hiroyuki Konno (Yamagata University, Japan)

Young-Pil Kim (Hanyang University, Korea)

Yoshiaki Yano (Kyoto University, Japan)

Jung-Min Kee (UNIST, Korea)