KHUPO 18TH ANNUAL INTERNATIONAL PROTEOMICS CONFERENCE

Integrative Proteomics for Translational Research

March 29 (Thu) - 30 (Fri), 2018
*Skyline Workshop | March 28 (Wed), 2018

Global Education Center for Engineers, Seoul National University, Seoul, Korea

The Korean Human Proteome Organization



WELCOME

Dear colleagues,

We are delighted to announce that KHUPO's 18th Annual International Proteomics Conference will be held March 29–30, 2018 at Global Education Center for Engineers, Seoul National University in Seoul, Korea. On behalf of the Organizing Committee, I would like to cordially invite you to attend the conference.

The theme of this year's conference is "Integrative Proteomics for Translational Research". Four plenary lectures and 6 symposia are scheduled. The session for young scientists is also planned to encourage the young talent in the field. I expect that this meeting will provide an excellent opportunity for sharing the ideas and build deeper friendship among the participants. As KHUPO is entering its 18th year, I hope the activities of KHUPO will help explore the human proteome and understand human biology and diseases.

Finally, I greet you all and hope our 18th Annual International Conference serve as a crucial forum for proteome scientists and clinicians.



Best wishes,

Je-Yeol Cho, DVM, PhD

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President, The Korean Human Proteome Organization
Professor, Department of Biochemistry, College of Veterinary Medicine
Seoul National University

ORGANIZING COMMITTEE

President	Je-Yoel Cho (Seoul National University)		
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	Byung-Hee Shin (SCIEX Korea)		
	Marcelino Bae (Waters Korea Limited)		
Chair, Committee for Election Affair	Sung Goo Park (Korea Research Institute of Bioscience & Biotechnology)		
Chair, Committee for Fund-Raising Affair	Byoung Chul Park (Korea Research Institute of Bioscience & Biotechnology)		



GENERAL INFORMATION

Title	18 th Annual International Proteomics Conference
Theme	Integrative Proteomics for Translational Research
Date	- Main Conference: March 29 (Thu) - 30 (Fri), 2018 - Skyline Workshop: March 28 (Wed), 2018
Venue	Global Education Center for Engineers (GECE)(5 th Floor), Seoul National University
Program	4 Plenary Lectures, 6 Symposia, Young Scientist Session, Skyline Workshop, Poster, etc.
Industrial Events	Exhibition, Exhibition Tour, Corporate Workshop, etc.
Expected Participants	300 Participants (over 8 countries participants)
Official Language	English
Organized by	The Korean Human Proteome Organization (KHUPO)
Webpage	http://2018.khupo.org

PLENARY SPEAKERS



Christopher M. OverallUniv. of British Columbia,
Canada



Bernhard Küster Technical University of Munich, Germany



David R. Goodlett University of Maryland School of Pharmacy, USA



Young-Ki Paik Yonsei University, Korea

SYMPOSIA

Proteogenomics for comparative Systems Biology

Functional/Chemical/Mechanistic Proteomics

Protein Modifications in Signal Transduction

Protein Biomarkers for Diseases

Bioinformatics & C-HPP

New Technological & Translational Proteomics

PROGRAM AT A GLANCE

Time	March 28 (Wed)	March 29 (Thu)	March 30 (Fri)	
08:00		Registration (08:00-18:00)	Young Scientists (08:00-09:00)	
		Morning Coffee (08:30-09:00)	* Refreshments will be provided	
09:00		Opening Ceremony (09:00-09:10)	Morning Coffee (09:00-09:10)	
		PL-1 (09:10-09:50)	PL-3 (09:10-09:50)	
		Break (09:50-10:05)	Break (09:50-10:05)	
10:00		SYM-1 Proteogenomics for Comparative Systems Biology (10:05-11:15)	SYM-4 Protein Biomarkers for Diseases (10:05-11:15)	
11:00		Break (11:15-11:30)	Break (11:15-11:30)	
		` '		
42:00	Workshop	Corporate Workshop-1 (11:30-12:40)	한국인체자원은행사업 (11:30-11:50) 국립암센터 단백체 분야 R&D사업 설명회	
12:00	Registration (11:30-13:00)	Bruker Korea Co., Ltd * <i>Lunch will be provided</i>	(11:50-12:10) Break (12:10-12:40)	
13:00		Exhibition Tour & Poster (12:40-14:10)	Poster & Exhibition (12:40-14:40)	
		국가 R&D 분야 규제혁파 방안 및 바이오 분야 연구개발사업 설명회 (14:10-14:50)		
		Break (14:50-15:00)		
15:00	SKYLINE Workshop (13:00-18:00)	SYM-2 Functional/Chemical/Mechanistic Proteomics	SYM-5 Bioinformatics & C-HPP (14:40-15:50)	
46:00		(15:00-16:10)	Break (15:50-16:05)	
16:00		Break (16:10-16:25)	PL- 4 (16:05-16:45)	
		PL- 2 (16:25-17:05)	Break (16:45-17:00)	
17:00		Break (17:05-17:20)		
40:00		SYM-3 Protein Modifications in Signal Transduction	SYM-6 New technological & Translational Proteomics (17:00-18:10)	
18:00	(17:20-18:30)		Awards & Closing Remark (18:10-18:30)	
		General Assembly (18:30-18:50)		
		Welcome Reception (18:50 at BBQcafe)		

PLENARY LECTURES

PL-1

March 29 (Thu) 09:10-09:50



Chair | Je-Yoel Cho (Seoul National University)

Target Identification by TAILS N-Terminal Positional Proteomics Leads to Development of a Pharmacological Molecular Corrector for Impaired NF-kB Activation

Christopher M. Overall

The University of British Columbia, Canada

PL-2

March 29 (Thu) 16:25-17:05



Chair | Ho Jeong Kwon (Yonsei University)

The target landscape of clinical kinase drugs

Bernhard Küster

Technical University of Munich, Germany

PL-3

March 30 (Fri) 09:10-09:50



Chair | Jong Shin Yoo (Korea Basic Science Insitute)

From a Histroical Review of Developments leading to Shotgun Proteomics to Longitudinal Profiling

David R. Goodlett

University of Maryland School of Pharmacy, USA

PL-4

March 30(Fri) 16:05-16:45



Chair | Kyung Soo Hahm (Chosun University)

Quest for Dark Proteins in Biomedical Sciences

Young-Ki Paik

Yonsei University, Korea

SYMPOSIA | March 29 (Thu)

	SYM1		Proteogenomics for Comparative Systems Biology		
				Mar 29 (Thu) 10:05-11:15	
			Chairs:	Bonghee Lee (Graduate School of Medicine, Gachon University)	
_	SYM1-1	10:05-10:30	In Depth Locus Specific Pr Proteome Quantification	rotein Interaction Characterized by Ultrasensitive Genome Scale (GSPQ) Platform	
			Feng Zhou	Fudan University, China	
	SYM1-2	10:30-10:50	A study of transposable novo assembled Korea	e element-associated structural variations (TASVs) using a de n genome	
			Seyoung Mun	Dankook University, Korea	
	SYM1-3	10:50-11:10	Comparative analysis of	of proteins profiles of canine plasma	
			Dong Wook Kim	College of Veterinary Medicine Seoul National University, Korea	
	SYM2		Functional/Chemical	/Mechanistic Proteomics	
				Mar 29 (Thu) 15:00-16:10	
			Chairs:	Chan-Wha Kim (Korea University)	
	SYM2-1	15:00-15:23	Apolipoprotein B binds arthritis	to enolase-1 and aggravates inflammation in rheumatoid	
			Yeong Wook Song	Seoul National University, Korea	
	SYM2-2	15:23-15:46	Post-Translational Mod	dification of PPAR-gamma in metabolic diseases	
			Kyung-Hee Chun	Yonsei University College of Medicine, Korea	
	SYM2-3	15:46-16:09	The Chemoproteomic	Foolbox for Redox Biology	
			Jing Yang	Beijing Proteome Research Center, China	
	SYM3		Protein Modification	s in Signal Transduction	
				Mar 29 (Thu) 17:20-18:30	
			Chairs:		
	SYM3-1	17:20-17:37	High-throughput phosp biology	phoproteomics: technologies and applications in systems	
			Sean Humphrey	University of Sydney, Australia	
	SYM3-2	17:37-17:54	Why is the yeast check	point kinase Rad53 so highly phosphorylated?	
			Ming-Daw Tsai	Institute of Biological Chemistry, Academia Sinica, Taipei, Taiwan	
	SYM3-3	17:54-18:11	Nrich and iNrich: N-ter	minomics tools for discovering various protein forms	
			Cheolju Lee	Korea Istitute of Science and Technology, Korea	
	SYM3-4	18:11-18:28	Fomryl-Methionine-Tar the Yeast Saccharomy	rgeting Proteolytic System: the fMet/N-End Rule Pathway in ses cerevisiae	
			Cheol-Sang Hwang	POSTECH, Korea	
C	(NADOCI	1 Narch 20) / [··: \		

SYMPOSIA | March 30 (Fri)



	SYM4		Protein Biomarkers for Diseases			
				Mar 30 (Fri) 10:05-11:15		
			Chairs:	Je Kyung Seong (Seoul National University)		
	SYM4-1	10:05-10:22	Quantitative Chemopro	teomic Analysis of Protein O-GlcNAcylation		
			Xing Chen	Peking University, China		
	SYM4-2	10:22-10:39	Supramolecular polymo	orphism in Pathogenic Amyloid Proteins by Cu(II) Coordination		
			Hugh I. Kim	Korea University, Korea		
	SYM4-3	10:39-10:56		ss Spectrometry Imaging as Diagnostic Tool in Cancer		
			Research Peter Hoffmann	University of South Australia		
			. ctc. riomiam	omversity of south riustrana		
	SYM4-4	10:56-11:13		nd its application for clinical biomarker		
			Kyunggon Kim	University of Ulsan / Asan Medical Center, Korea		
	SYM5		Bioinfomatics & C-HP	Р		
				Mar 30 (Fri) 14:40-15:50		
			Chairs:	Byoung Chul Park (Korea Research Institute of Bioscience & Biotechnology)		
Π	SYM5-1	14:40-15:03	Network-augmented an	nalysis of disease genomics data		
			In Suk Lee	Yonsei University, Korea		
	SYM5-2	15:03-15:26	Splicing bridging transcr	ing transcriptomics and proteomics in breast cancer		
			Younghee Lee	The University of Utah, School of Medicine, USA		
			CAAVandia : Idantifia	potion functional apportation retrieval and		
	SYM5-3	15:26-15:49		cation, functional annotation, retrieval and e amino-acid variants from proteomic and genomic		
			Soo Youn Lee	Korea Basic Science Institute, Korea		
	SYM6		New Technological &	Translational Proteomics		
				Mar 30 (Fri) 17:00-18:10		
			Chairs:	Sung Goo Park (Korea Research Institute of Bioscience & Biotechnology)		
	SYM6-1	17:00-17:20		equenced mRNA transcripts can be combined to predict mass rotein levels in human Th1-activation Bioinformatics, IFM, Linköping University, Sweden		
	SYM6-2	17:20-17:45	Time-resolved genome- Xanthomonas oryzae pv Lin-Woo Kang	wide gene expression analysis of the plant pathogen V. Oryzae Konkuk University, Korea		
	SYM6-3	17:45-18:10	Peptide Chromatograph	nic Approaches for Illuminating Human Proteome		
			Yasushi Ishihama	Graduate School of Pharmaceutical Sciences, Kyoto University, Japan		

CORPORATE WORKSHOP

* Lunch will be provided.





CW-1	Bruker Korea Co.,	Ltd	
			Mar 29 (Thu) 11:30-12:40
CW 1-1		th PASEF: Digging deeper into the pro sitivity and robustness	teome with record-
	ShinKwon Kang	Application Manager, Bruker Dal	tonics Korea
CW 1-2 Improvements in Mass Spectrometry Imagin Tissue Sections		ass Spectrometry Imaging for the Mo	lecular Analysis of FFPE
	JinNyoung Choi	Application Chemist, Bruker Dalto	onics Korea



Chair: Hyun-Woo Rhee (Seoul National University), Jun-Seok Lee (Korea Institute of Science and Technology)

	A 1 LO K - Production Production Control Contr
YS-1	A vinyl Sulfone-Based Fluorogenic Probe Capable of Selective Labeling of PHGDH in Live Mammalian Cells
08:00-08:06	Se-Young Jang Korea Institute of Science and Technology
YS-2	Identification and characterization of eEF1BδL as a substrate of RNF20/40 Suna In
08:06-08:12	Korea Advanced Institute of Science and Technology
YS-3	Quantitation of Serum N-Glycan Isomers for Bechet Disease Monitoring Nari Seo
08:12-08:18	Chungnam National University
YS-4	PRM and SRM methods to identify prognostic biomarkers of Tocilizumab
08:18-08:24	Jinwoo Jung Seoul National University
YS-5	Establishment of 3-D Cell Culture Model for Liver Cancer
08:24-08:30	Ramin Seo Korea Advanced Institute of Science and Technology
YS-6 08:30-08:36	Development of Fucosylated Glycopeptides in Alpha-fetoprotein Immunoprecipitated from Serum as a Biomarker Candidate for Hepatocellular Carcinoma by Parallel Reaction Monitoring Kwang Hoe Kim
	Korea Basic Science Institute SEPROGADIC – serum protein-based gastric cancer prediction models for prognosis and
YS-7 08:36-08:42	selection of proper adjuvant therapy Hee-Sung Ahn
00.30-00.42	UST
YS-8	Aberrant glycosylation is associated with gastric cancer and precancerous diseases Seunghyup Jeong
08:42-08:48	GRAST, Chungnam National University
YS-9	Application of LC-MS/MS to identify biomarkers for autism spectrum disorder using Cntnap2 KO mouse
08:48-08:54	Wooyoung Eric Jang Kyung Hee University
YS-10 08:54-09:00	Multidimensional proteomic analysis for understanding Alzheimer's disease Jong Hyuk Yoon Korea Brain Research Institute

All poster presentations must be in English. Presenters are responsible for setting up their displays, being present during the entire scheduled poster session, and removing their displays at the conclusion of the poster session. On your assigned day, please plan to spend the entire session at your poster for questions and discussion. Each poster should be allocated on a poster board corresponding to its abstract number.

* Posters are displayed for entire day, although presenters are only required to be present at their board from 12:40 to 14:40 on March 30 (Fri).

Category	Poster Set up	Poster Sessions	Removal
Proteogenomics for comparative Systems Biology		12:40-14:40 March 30 (Fri)	17:00-18:30 March 30 (Fri)
Functional/Chemical/Mechanistic Proteomics	09:00-18:00		
Protein Modifications in Signal Transduction			
Protein Biomarkers for Diseases	March 29 (Thu) – 30 (Fri)		
Bioinformatics & C-HPP			
New Technological & Translational Proteomics			

POSTER SIZE

90 cm wide × 120 cm high (Board size: 95 cm wide × 165 cm high)



AWARDS



Qualification: Poster presenters
The number of people: 2 people

Award details: Cash prize and Certificate of award, book about MALDI-TOF Winner announcement: March 30 (Fri) 18:10 in Awards & Closing Remarks

Sponsored by Bruker Korea Co., Ltd & SINCO Co., Ltd



Qualification: Poster presenters

The number of people: 15 people

Award details: Cash prize and Certificate of award

Winner announcement: March 30 (Fri) 18:10 in Awards & Closing Remarks

Sponsored by Sartorius Korea Biotech Co., Ltd.

EXHIBITION INFORMATION

■ Date: March 29 (Thu) – 30 (Fri), 2018

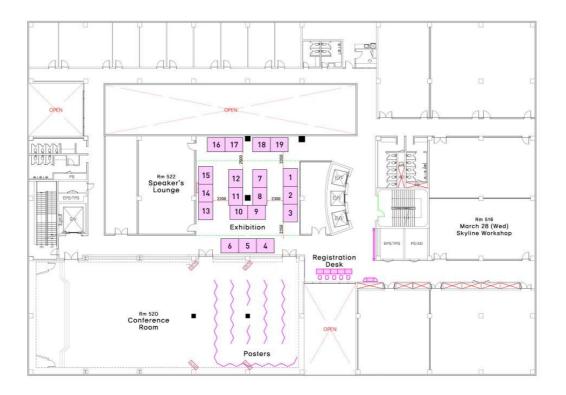
■ Time: 09:00-17:00

■ Place: Lobby (5F), Global Education Center for Engineers, Seoul National University

Booth No.

No.	Exhibitor	No.	Exhibitor
1	Korea Basic Science Institute	11	SeouLin Bioscience
2,3	Bruker Korea co., Ltd	12	YOUNG IN FRONTIER
4	GLYCAN	13	ANYGEN CO., LTD
5	Sartorius Korea Biotech	14	JM ENB
6	MDxK, Inc.	15	LK BioScience Inc.
7	Waters Korea	16	Korea Biobank Project
8	Thermo Fisher Scientific Korea	17	EBIOGEN
9	Promega Korea	18	SMAnalytical
10	Dong-il SHIMADZU corp.	19	Taeshinbio science

Floor Plan



Exhibition Tour



Time	Exhibitor	Time	Exhibitor
ET-1 (12:40-12:45)	Korea Basic Science Institute	ET-8 (13:15-13:20)	EBIOGEN
ET-2 (12:45-12:50)	Bruker Korea co., Ltd	ET-9 (13:20-13:25)	SMAnalytical
ET-3 (12:50-12:55)	GLYCAN	ET-10 (13:25-13:30)	Waters Korea
ET-4 (12:55-13:00)	Sartorius Korea Biotech	ET-11 (13:30-13:35)	Promega Korea
ET-5 (13:00-13:05)	MDxK, Inc.	ET-12 (13:35-13:40)	Dong-il SHIMADZU corp.
ET-6 (13:05-13:10)	JM ENB	ET-13 (13:40-13:45)	YOUNG IN FRONTIER
ET-7 (13:10-13:15)	LK BioScience Inc.	ET-14 (13:45-13:50)	Taeshinbio science

Global Education Center for Engineers (GECE), Seoul National Univeristy

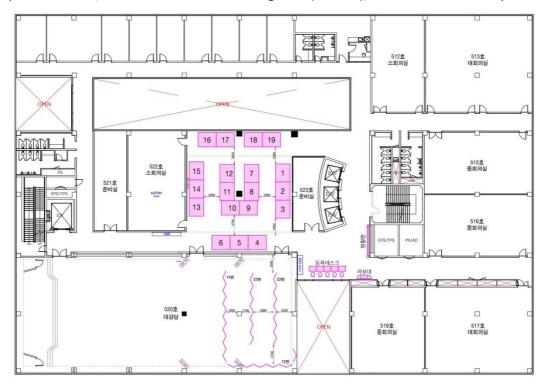
Address: 1 Gwanak-ro, Gwanak-gu, Seoul 08826, Korea

Homepage: http://en.snu.ac.kr



FLOOR PLAN

Multipurpose Hall #B101, Global Education Center for Engineers (5th Floor), Seoul National University



TRNASPORTATION

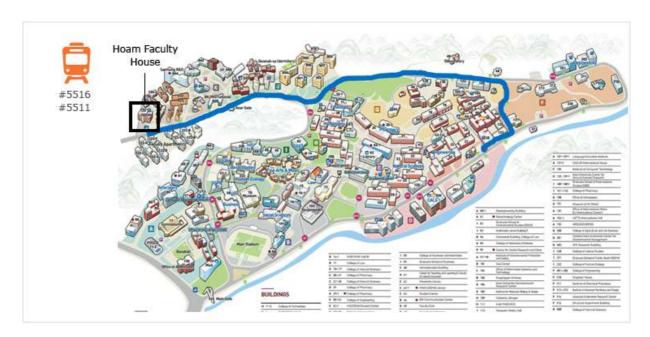
From Incheon Airport to GECE



Way 1: #6017 Airport Limousine Bus (Fro Pariticipants staying at Hoam Faculty House)

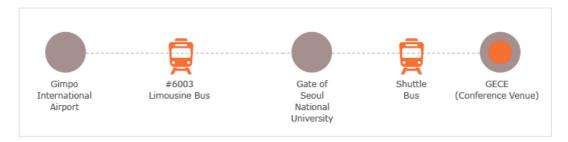


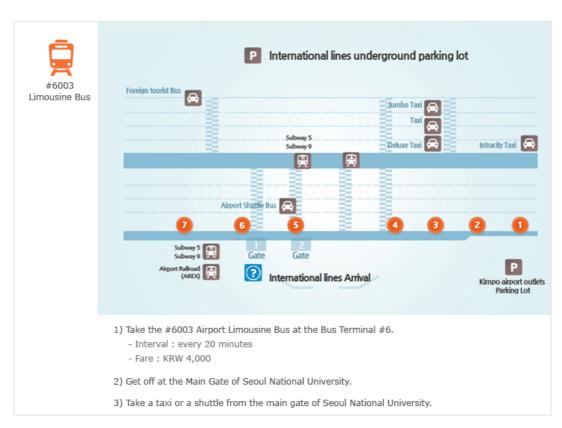




From Gimpo Airport to GECE

Flight to Gimpo Airport (Int'l) is available from countries' main cities of Japan and China







- 1) Shuttle Service is available upon reservation only.
- 2)Please contact: +82-2-880-0311 for reservation