

## BIOGRAPHICAL SKETCH

NAME Jong Shin Yoo	POSITION TITLE		
CURRENT AFFILIATION Korea Basic Science Institute	Director MS Instrumentation Division		
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Yonsei University (Seoul, Korea)	B.S.	1976-1980	Chemistry
Korea Advanced Institute of Science & Tech (Seoul Korea)	M.S.	1980-1982	Analytical Chemistry
Michigan State University (East Lansing, USA)	Ph.D.	1986-1992	Mass Spectrometry
Harvard University School of Public Health (Boston, USA)	PostDoc	1992-1993	Mass Spectrometry

List of five recent publications by the candidate:

1. "Functional Proteomics Study Reveals That N-Acetyl glucosaminyl transferase V Reinforces the Invasive/ Metastatic Potential of Colon Cancer through Aberrant Glycosylation on TIMP-1", **Mol Cell Proteomics**, 7, 1-14.(2008).
2. "Arginine-Mimic Labeling with Guanidinoethanethiol to Increase Mass Sensitivity of Lysine-Terminated Phosphopeptides by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", **Rapid Commun. Mass Spectrom.** 21, 2204-2210 (2007).
3. "Modification of Trapping Potential by Inverted Sidekick Electrode Voltage during Detection To Extend Time-Domain Signal Duration for Significantly Enhanced Fourier Transform Ion Cyclotron Resonance Mass Resolution ", **Anal. Chem.** 79, 3575-3580 (2007)..
4. "Profiling Human Brain Proteome by Multi-Dimensional Separations Coupled with Mass Spectrometry", **Proteomics**, 6, 4978-4986 (2006).
5. "Human plasma proteome analysis by reversed sequence database search and molecular weight correlation based on a bacterial proteome analysis", **Proteomics**, 6, 1121-1132 (2006).

Please indicate in 200 words or less the reason(s) why you would be a suitable candidate for the HUPO Council elections.

Since the establishment of KHUPO in 2001, I have been one of the active members in KHUPO and deeply involved in HUPO activities such as HPPP and HBPP. As a coauthor in HPPP activity, I have contributed in the Proteomics publication of "Overview of the HUPO Plasma Proteome Project: Results from the pilot phase with 35 collaborating laboratories and multiple analytical groups, generating a core dataset of 3020 proteins and a publicly-available database" in 2005. As a collaboration with HBPP activity, I have also contributed in the Proteomics publication of ""Brain Proteome Project: Summary of the pilot phase and introduction of a comprehensive data reprocessing strategy" in 2006.

Now I am serving KHUPO as a president for 2 years and am a two-year term AOHUPO council member. I strongly believe how HUPO will contribute to the international cooperation and scientific collaboration through the development of new techniques in the future, which should be addressed by HUPO council meeting. As a candidate of HUPO Director, I would like to be strongly involved in the future HUPO initiatives, which should be a breakthrough of proteomics technology to attack the human diseases.