BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Hisashi Narimatsu	Chair: HUPO Human Disease Glycomics/Proteome Initiative (HGPI) Group Leader of Glycogene Function Team, Director of Research Center for Medical Glycoscience, AIST
CURRENT AFFILIATION Research Center for Medical Glycoscience, National Institute of Advanced Industrial Science and Technology (AIST)	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Keio University School of Medicine, Japan	M.D.	1974	Medicine
Keio University Graduate School of Medicine, Japan	PhD	1979	Immunology
National Institutes of Health, National Cancer Institute, Bethesda ,USA	Postdoctoral fellow	1983	Biochemistry
Department of Microbiology, Keio University School of Medicine	Associate Professor	1986	Biochemistry
Division of Cell Biology, Institute of Life Science, Soka University, Japan	Professor	1991	Biochemistry
Gene Function Analysis Team, Institute of Molecular and Cell Biology, National Institute of Advanced Industrial Science and Technology (AIST), Japan	Principal Research Scientist	2000	Biochemistry
The Graduate School of Comprehensive Human Sciences, Tsukuba University, Japan (another post)	Professor (another post)	2002	Biochemistry
Research Center for Medical Glycoscience, National Institute of Advanced Industrial Science and Technology (AIST), Japan	Director	2006	Biochemistry

List of five recent publications by the candidate:

1. Ito H, Narimatsu H, et al. Strategy for the fine characterization of glycosyltransferase specificity using isotopomer assembly. Nat Methods. 4(7): 577-582 .(2007)
2. Kuno A, Narimatsu H, Hirabayashi J, et al. Focused differential glycan analysis with the platform antibody-assisted lectin profiling for glycan-related biomarker verification. Mol Cell Proteomics. 8: 99-108. (2009)
3. Narimatsu H, et al. A strategy for discovery of cancer glyco-biomarkers in serum using newly developed technologies for glycoproteomics. FEBS J. 277: 95-105. (2010)
4. Matsuda A, Narimatsu H, et al. Wisteria floribunda agglutinin-positive mucin 1 is a sensitive biliary marker for human cholangiocarcinoma. Hepatology. 52:174-182. (2010)
5. Kuno A, Narimatsu H, et al. Multilectin assay for detecting fibrosis-specific glyco-alteration by means of lectin microarray. Clin Chem. 57: 48-56. (2011)

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

- I have been working in the field of biochemistry especially glycomics for more than 20 years. The most significant contribution to glycomics is identification and characterization of 42 of human glycosyltransferases. I have also been involved in the projects of the Human Disease Glycomics/Proteome Initiative (HGPI) HUPO Initiative. Since 2008 I have been chairing the HGPI and I have organized several international workshops (http://www.primatours.co.jp/hgpi/).
- At present I am a head of the Medical Glycomics project supported by NEDO, Japanese Government. The final goal is to discover clinically useful glycan biomarkers for detection of cancers. We have developed basic tools for glycomics and their application to comprehensive discovery of glyco-biomarkers. The approach focuses on “qualitative change” of glycoproteins rather than quantitative change. We have discovered many glyco-biomarker candidates of fibrosis, HCC, and other cancers. We are now developing clinically useful diagnosis kits for these diseases.
- I am willing to contribute in the Human Proteome Project both for the cross-initiative projects and also for national chromosome-centric project. I would also like to make my effort for the 2013 HUPO Congress in Yokohama, Japan as a JHUPO council member.