

BIOGRAPHICAL SKETCH

NAME Hisashi Hirano	POSITION TITLE President of JHUPO Council Member of AOHUPO Professor Vice-director of the Advanced Medical Research Center of Yokohama City University		
CURRENT AFFILIATION Yokohama City University			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Tokyo University of Agriculture and Technology	PhD	1972	Genetics of proteins
University of Tokyo		1979	Breeding for protein quality
University of Durham, England		1981	Protein chemistry
Max Planck Institute for Molecular Genetics, Berlin		1985	Protein chemistry

List of five recent publications by the candidate:

- Itoh, A., Kurisaki, A., Yamanaka, Y., Hirano, H., Fukuda, H., Sugino, H., Asashima, M. Proteomic analysis of membrane proteins expressed specifically in pluripotent stem cells. *Proteomics*, 9, 126-137, 2009.
- Kobiyama, K., Takeshita, F., Ishii, K. J., Koyama, S., Aoshi, T., Akira, S., Sakaue-Sawano, A., Miyawaki, A., Yamanaka, Y., Hirano, H., Suzuki, K. and Okuda, K. A signaling polypeptide derived from an innate immune adaptor molecule can be harnessed as a new class of vaccine adjuvant. *J Immunol.* 182, 1593-1601. 2009.
- Iwafune, Y., Tan, J.Z., Ino, Y., Okayama, A., Ishigaki, Y., Saito, K., Suzuki, N., Arima, M., Oba, M., Kamei, S., Tanga, M., Okada, T. and Hirano, H. On-chip identification and interaction analysis of gel-resolved proteins using a diamond-like carbon-coated plate. *J. Proteome Res.* 6, 2315-2322, 2007.
- Ryo, A., Hirai, A., Nishi, M., Liou, Y. C., Perrem, K., Lin, S. C., Hirano, H., Lee, S. W., Aoki, I. A suppressive role of the prolyl-isomerase Pin1 in cellular apoptosis mediated by the death-associated protein Daxx. *J. Biol. Chem.* 282, 36671-36681, 2007.
- Tanaka, Y., Akiyama, H., Kuroda, T., Jung, G., Tanahashi, K., Sugaya, H., Utsumi, J., Kawasaki, H. and Hirano, H. A novel approach and protocol for discovering extremely low-abundance proteins in serum. *Proteomics*. 6, 4845-4855, 2006.

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

I have worked in the field of protein chemistry/proteomics for >30 years. I have made a significant contribution to the field as a teacher, researcher, supervisor, organizer, policymaker and author.

Since the inception of HUPO, I have been actively involved in fulfilling its mission. I was elected as the President of JHUPO in 2009. I believe that this responsibility was given to me because of my career in proteomics and my networking with proteome researchers. I am serving as one of the editorial members of *PROTEOMICS/ELECTROPHORESIS/J PROTEOMICS*.

My research interests are focused to develop techniques for protein characterization, analyze post-translational modifications by MS, and find biomarkers and therapeutic targets for diseases.

I have published >200 papers in refereed journals, served as a leader in prominent professional organizations and chaired sessions at numerous international conferences. I was awarded five prizes from academic societies for my contribution to proteomics.

In 2005, I organized the third JHUPO Conference in Yokohama, which was attended by >600 scientists. JHUPO is intending to organize the HUPO World Conference in 2013 at Yokohama. If it is approved, I would be able to successfully organize the conference. Approval of HUPO 2013 at Yokohama will be extremely beneficial to proteome researchers.