
BIOGRAPHICAL SKETCH

NAME Wu, Cathy H., Ph.D.	Professor , Dept of Biochemistry and Mol&Cell Biology Professor , Dept of Oncology Director , Protein Information Resource Director , Bioinformatics Track, M.S. in Biochemistry		
CURRENT AFFILIATION Georgetown University Medical Center, Washington, DC			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
National Taiwan University, Taiwan	B.S.	1978	Plant Pathology
Purdue University, West Lafayette, IN	M.S./Ph.D.	1984	Molecular Plant Pathology
Michigan State University, East Lansing, MI	Postdoc.	1986	Molecular Biology
University of Texas at Tyler, TX	M.S.	1989	Computer Science

List of five recent publications by the candidate:

1. **Wu CH**, Apweiler R, Bairoch A, Natale DA, Barker WC, Boeckmann B, Ferro1 S, Gasteiger E, Huang H, Lopez R, Magrane M, Martin MJ, Mazumder R, O Donovan C, Redaschi N, Suzek B. (2006) The Universal Protein Resource (UniProt): an expanding universe of protein information. *Nucleic Acids Research*, 34, D187-191.
2. Chi A, Valencia JC, Hu ZZ, Watabe H, Yamaguchi H, Mangini NJ, Huang H, Canfield VA, Cheng KC, Yang F, Abe R, Yamagishi S, Shabanowitz J, Hearing VJ, **Wu CH**, Appella E, Hunt DF. (2006) Proteomic and bioinformatic characterization of the biogenesis and function of melanosomes. *Journal of Proteome Research* 5, 3135-3144.
3. Huang H, Hu ZZ, Arighi C, **Wu CH**. (2007) Integration of bioinformatics resources for functional analysis of gene expression and proteomic data. *Frontiers in Bioscience* 12, 5071-5088.
4. Qiu P, Wang ZJ, Liu KJ, Hu ZZ, **Wu CH**. (2007) Dependence network modeling for biomarker identification. *Bioinformatics* 23, 198-206.
5. Hu ZZ, Valencia JC, Huang H, Chi A, Shabanowitz J, Hearing VJ, Appella E, **Wu CH**. (2007) Comparative bioinformatics analyses and profiling of lysosome-related organelle proteomes. *International Journal of Mass Spectrometry* 259, 147-160.

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

Contributions to Proteomic Science. Dr. Cathy Wu has conducted protein bioinformatics research for 20 years and has led the development of PIR since 1999 as a major public bioinformatics resource that supports genomic, proteomic and systems biology research. Dr. Wu has served on several advisory boards, including the PDB Scientific Advisory Board, NIGMS Protein Structure Initiative Advisory Committee at NIH, TeraGrid User Advisory Committee at NSF, and Board of Directors of the International Society for Computational Biology. She has also served on numerous program committees for international bioinformatics and proteomics conferences and on grant review panels for NIH, NSF, and DOE. She has published about 130 peer-reviewed papers and three books, and given more than 100 invited lectures.

Contributions to HUPO. Dr. Cathy Wu has been active at International HUPO Council and USHUPO Council. She serves on the Board of Directors of both International HUPO and USHUPO. She actively participated in many HUPO activities. In 2008, she co-chaired the scientific organizing committee of USHUPO and the meeting was a splendid success. Her leadership role in protein databases, bioinformatics, and other large international consortiums including the UniProt, has been highly respected and appreciated by both the US proteomic community and the world at large.