BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Joseph A. Loo	**Professor**, Dept. Biological Chemistry, David Geffen School of Medicine, Molecular Biology Institute, and Institute for Genomics and Proteomics
CURRENT AFFILIATION University of California, Los Angeles (UCLA)	

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
Clarkson University (Potsdam, NY USA)	B.S.	1978-1982	Chemistry
Cornell University (Ithaca, NY USA)	M.S.	1982-1985	Analytical Chemistry
Cornell University (Prof. Fred W. McLafferty)	Ph.D.	1985-1987	Analytical Chemistry
Pacific Northwest National Lab (Richland, WA) (Dr. Richard D. Smith)	postdoc	1988-1990	Mass spectrometry

List of five recent publications by the candidate:

1. Xiao GG, Wang M, Macatangay G, Li N, Loo JA, and Nel AE. "Use of Proteomics to Demonstrate a Hierarchical Oxidative Stress Response to Diesel Exhaust Particles in a Macrophage Cell Line." Journal of Biological Chemistry *278*, 50781-50790 (2003).
2. Hu S, Xie Y, Ramachandran P, Ogorzalek Loo RR, Li Y, Loo JA, and Wong DT. "Large-Scale Identification of Human Oral Fluid Proteins by Liquid Chromatography-Mass Spectrometry." Proteomics *5*, 1714-1728 (2005).
3. Xie Y, Zhang J, Yin S, and Loo JA. "Top-Down ESI-ECD-FT-ICR Mass Spectrometry Localizes Noncovalent Protein-Ligand Binding Sites." Journal of the American Chemical Society *128*, 14432-14433 (2006).
4. Ramachandran P, Boontheung P, Xie Y, Sondej M, Wong DT, and Loo JA. "Identification of N-Linked Glycoproteins in Human Saliva by Glycoprotein Capture and Mass Spectrometry." Journal of Proteome Research *5*, 1493-1503 (2006).
5. Denny P, Hagen FK, Hardt M, Liao L, Yan W, et al. "The Proteomes of Human Parotid and Submandibular/Sublingual Gland Salivas Collected as the Ductal Secretions." Journal of Proteome Research, in press (2008).

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

Dr. Loo has worked both in industry (Parke-Davis/Pfizer) and academia (UCLA), and he has served on numerous scientific committees. He has been on the Editorial Boards of *Bioconjugate Chemistry*, *Analytical Chemistry*, and *Chemical & Engineering News* and currently he serves on the Editorial Board for *Rapid Communications in Mass Spectrometry* and he is an Associate Editor for *Journal of the American Society for Mass Spectrometry*. He has served on committees for the American Society for Mass Spectrometry (ASMS), including the ASMS Board of Directors. He was a member of the NIH Bioanalytical Engineering and Analytical Chemistry Study Section. Dr. Loo was a co-organizer of the American Chemical Society (ACS) ProSpectives Conference - "Defining the Proteomics Agenda (2001)," and the 19th ASMS-Asilomar Conference on "Characterization of Protein Complexes (2003)," and he has organized and chaired scientific conference sessions for ASMS, ACS, US HUPO, and HUPO. At UCLA, Dr. Loo teaches courses on "Chemical Instrumentation" and "Proteomics and Mass Spectrometry." He is an author of over 170 publications. His research interests include the development of MS-based tools for elucidation of protein structure, PTMs, complexes, and interactions, the application of MS for profiling complex proteomes, and the discovery of biomarkers of human diseases.