BIOGRAPHICAL SKETCH

NAME John Edward Wiktorowicz	POSITION TITLE Associate Professor, Department of Biochemistry and Molecular Biology, School of Medicine Director, Proteomics Section of the Biomolecular Resource Facility Senior Scientist, Sealy Center for Molecular Medicine
CURRENT AFFILIATION The University of Texas Medical Branch	

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
Illinois Institute of Technology	B.S.	1974	Biology
University of Texas Medical Branch	Ph.D.	1978	Biochemistry
California Institute of Technology	Postdoctoral	1978–1981	Biochemistry
Scripps Clinic & Research Institute	Postdoctoral	1981–1982	Molecular Biology

List of five recent publications by the candidate:

Straub, C., Pazdrak, K., Young, T.W., Stafford, S.J., Wu, Z., **Wiktorowicz, J.E.**, Haag, A.M., English, R.D., Soman, K.V., and Kurosky, A. Toward the Proteome of the Human Peripheral Blood Eosinophil. Proteomics-Clinical Applications, In Press, 2009.

Bowick, G.C., Spratt, H.M., Hogg, A.E., Endsley, J.J., **Wiktorowicz, J.E.**, Kurosky, A., Luxon, B.A., Gorenstein, D.G., and Herzog, N.K. Analysis Of The Differential Host-Cell Nuclear Proteome Induced By Attenuated And Virulent Hemorrhagic Arenavirus Infection. Journal of Virology, 83: 687-700, 2009.

Pretzer, E.P., and **Wiktorowicz, J.E.** Saturation Fluorescence Labeling of Proteins for Proteomic Analyses. Analytical Biochemistry 374, 250-262, 2008.

Hu, X., Rea, H.C., **Wiktorowicz, J.E.**, and Perez-Polo, J.R. Proteomic Analysis of Hypoxia/Ischemia-Induced Alteration of Cortical Development and Dopamine Neurotransmission in Neonatal Rat. J. Proteome Research 5, 2396-2404, 2006.

J. E. Wiktorowicz, Y. Raysberg, U.S. Patent 6,214,191 Electrophoresis apparatus and method.

Through my experience in academia (Virginia Tech, UTMB) and industry (Applied Biosystems, Lynx Therapeutics — Director of Proteomics), I gained insight into the challenges of proteomics from both technology development and medical research perspectives. In industry, my primary responsibility was in developing “cutting-edge” bioanalytical instrumentation and relevant applications, and in directing multi-disciplinary teams of scientists and engineers. I played a primary role in the development of AB’s capillary-based DNA sequencing and protein analysis technology and in Lynx’s liquid-based electrophoretic proteomics technology. In my academic role as Associate Professor at UTMB, the Center for Molecular Medicine, and Director of—Proteomics for the NHLBI SCCOR in Thoracic Aneurysms, the Discovery Proteomics Section of the NIAID Clinical Proteomics Center for Infectious Diseases and Biodefense, UTMB’s CTSA, and the Proteomics Section of the Biomolecular Resource Facility at UTMB—I continue my focus on proteomics technology development with application to biomarker discovery.

To achieve its promise, proteomics requires new technologies that address current challenges and their focused, judicious application to basic science and human health. This is well recognized by HUPO and is reflected in its visionary initiatives and mission statement. Accordingly, HUPO provides leadership and visibility to proteomics, and I would be honored by the opportunity to contribute my experience to these important tasks.