
BIOGRAPHICAL SKETCH

NAME Ronald Charles Beavis	POSITION TITLE Canada Research Chair		
CURRENT AFFILIATION University of British Columbia			
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
University of Manitoba, Winnipeg, Canada	B.Sc. (hons)	1981	Zoology and Physics
University of Manitoba, Winnipeg, Canada	Ph.D.	1987	Physics
Technical University of Munich, Garching, BRD	PDF	1987-1988	
Rockefeller University, New York, USA	PDF	1989-1990	

List of five recent publications by the candidate:

1. Ghosh, D; Beavis, RC; Wilkins, JA.; The identification and characterization of membranome components. *J Proteome Res.* 2008, 7:1572-83.
2. Fenyö, D; Beavis, RC.; Informatics development: challenges and solutions for MALDI mass spectrometry. *Mass Spectrom Rev.* 2008, 27:1-19.
3. Fenyö, D; Phinney, B; Beavis, R.C.; Determining the overall merit of protein identification data sets: rho-diagrams and rho-scores, *J. Proteome Res.* 2007, 6:1997-2004.
4. Craig, R; Cortens, J; Fenyö D; Beavis, RC; Using annotated peptide mass spectrum libraries for protein identification, *J. Proteome Res.* 2006, 5:1843-9.
5. Craig, R; Cortens, J; Beavis, RC; An Open Source System for Analyzing, Validating and Storing Protein Identification Data, *J. Proteome Res.*, 2004, 3:1234-42.

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

Since 1998, I have been working exclusively on the problem of analyzing, storing and extracting knowledge from large proteomics datasets. I have performed this research in both the private and public sectors. I have broadly participated in policy discussions involving proteomics, e.g., serving as a founding member of a Genome Canada Centre, participating in US-NIH policy forums and workshops, and working to found a Canadian HUPO affiliate, the Canadian Proteome Organization. I have consistently promoted (and helped to implement) some of the ideas that have become part of HUPO's mandate: the development and use of data standards; improvements in analytical instrumentation and interpretation software; and the development of large data repositories for use by the broader scientific community. Proteomics is an endeavour that must be carried out on a global scale. From my own experience, researchers in Seoul, Omaha, Krakow, Odense, Shanghai, Cambridge and Ankara all make similar use of the proteomics databases that my group makes available. I would like to help HUPO to further develop its role as the organizing principle to encourage and assist in this world-wide effort of individual laboratories generating knowledge of relevance to many fields of basic and applied science.