

BIOGRAPHICAL SKETCH

NAME Maxey C.M. Chung	POSITION TITLE		
CURRENT AFFILIATION Department of Biochemistry Yong Loo Lin School of Medicine and Department of Biological Sciences Faculty of Science National University of Singapore	Associate Professor and Head / Principal Investigator: Oncoproteomics Laboratory		
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
Victoria University of Wellington, Wellington, New Zealand	B.Sc.	1972	Chemistry
Victoria University of Wellington, Wellington, New Zealand	M.Sc.(Hons)	1973	Chemistry
Victoria University of Wellington, Wellington, New Zealand	Ph.D.	1974-1977	Biochemistry
John Curtin of Medical Research, The Australian National University, Canberra, Australia	Research Fellow	1980-1983	Protein Chemistry

List of five recent publications by the candidate:

1. Tan, H. T., Tan, S., Lin, Q. S., Hew, C. L., **Chung, M. C. M.** (2008) Quantitative and temporal proteome analysis of butyrate-treated colorectal cancer cells. *Molecular and Cellular Proteomics* (in press)
2. Lee, Y. H., Boelsterli, U. A., Lin, Q. S., **Chung, M. C. M.** (2008) Proteomics profiling of hepatic mitochondria in heterozygous *Sod21/2* mice, an animal model of discreet mitochondrial oxidative stress. *Proteomics* 8: 555-568
3. Tan, S., Liang, R. C. M. Y., Yeoh, K. G., So, J., Hew, C. L. and **Chung, M. C. M.** (2007) Gastrointestinal (GI) Fluids Proteomics. *Proteomics: Clinical Applications* 1: 820-833
4. Lu, G. D., Shen, H. M., **Chung, M. C. M.** and Ong, C. N. (2007) Critical role of oxidative stress and sustained JNK activation in aloe-emodin-mediated apoptotic cell death in human hepatoma cells. *Carcinogenesis* 28:1937-1945
5. Lu, G. D., Shen, H. M., Ong, C.N., and **Chung, M.C.M.** (2007) Anticancer effects of aloe-emodin on HepG2 cells: Cellular and proteomic studies. *Proteomics: Clinical Applications* 1: 410-419

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

I have a keen interest and passion to promote proteomics research in the Asia Pacific region as well as around the world. My laboratory has been focusing on proteomics research, especially cancer biomarker discovery for 10 years, and protein structure and function studies for the last 25 years. In the field of cancer biomarker discovery, our focus has been on gastrointestinal cancers. In recent years, my laboratory has also focused on the identification and elucidation of the proteins and pathways involved in cancer metastasis as well as cancer cell response to HDACi (histone deacetylase inhibitor) treatment such as butyrate using functional proteomics approaches. We are one of the leading groups in proteomics research in Singapore and are regularly consulted upon by other proteomics researchers as well as clinicians for proteomics advice, technical expertise and collaborative works.

I have been an active council member of AOHUPO since its inception, and currently hold the post of Secretary General. I was also the organizing co-chairman for the Joint 3rd AOHUPO and 4th Structural Biology and Functional Genomics conference held in Singapore in December 2006.

I am currently serving as Senior Editor for *Proteomics*, *Proteomics - Clinical Applications* and *Proteomics - Practical Proteomics*. I am also now the co-Editor for a Special Issue on "Membrane Proteomics" that is scheduled for publication in mid-September, 2008. In addition I am also a regular reviewer for several leading biochemical and proteomics journals.