

## BIOGRAPHICAL SKETCH

NAME Professor Marc Wilkins	POSITION TITLE Director, NSW Systems Biology Initiative Director, Ramaciotti Centre for Gene Function Analysis		
CURRENT AFFILIATION University of New South Wales, Sydney, Australia			
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
Macquarie University, Sydney, Australia	B. Sc. Hons	1992	Genetics, biochemistry
Macquarie University, Sydney, Australia	Ph. D.	1996	Proteomics
University of Geneva, Switzerland		1995-1997	Proteomics
Australian Proteome Analysis Facility (APAF)		1997-1999	proteomics

List of five recent publications by the candidate:

Couttas T, Raftery K, Erce M, Wilkins MR (2011) Monitoring cytoplasmic protein complexes with blue native gel electrophoresis and stable isotope labelling with amino acids in cell culture: analysis of changes in the 20S proteasome. *Electrophoresis*, in press.

Ma L, Pang I, Li S, Wilkins MR (2010) Proteins deleterious on overexpression are associated with unusual interaction domains, low abundance and biased physicochemical characteristics. *Journal of Proteome Research*, 9(3):1218-25.

Widjaja YY, Pang CNI, Li SS, Wilkins MR, Lambert TD (2009) The Interactorium: visualising proteins, complexes and interaction networks in a virtual 3D cell. *Proteomics*, 9, 5309–5315.

Wilkins MR, Kummerfeld SK (2008) Sticking together? Falling Apart? Exploring the dynamics of the interactome. *Trends in Biochemical Sciences*, 33: 195-200.

Wilkins MR, Appel RD, Van Eyk JE, Chung MCM, Görg A, Hecker MA, Huber LA, Langen H, Link AJ, Paik YK, Patterson SD, Pennington SR, Rabilloud T, Simpson RJ, Dunn MJ. (2006) Guidelines for the next 10 years of proteomics. *Proteomics*, 6, 4-8.

Why you would be a suitable candidate for the HUPO Council elections:

- Defined the concept of the proteome in 1994 and coined the term.
- Co-wrote and co-edited the first book on proteomics (Wilkins et al 1997; *Proteome Research: new frontiers in functional genomics*). This sold > 4000 copies.
- Published > 100 research papers, reviews and book chapters in the field of proteomics.
- Current research foci are the dynamics of protein interaction networks and the role of methylation in the control of protein-protein interactions.
- Is an active educator and mentor in proteomics and systems biology: runs a research group of 22 staff, post-docs and students.
- Co-founder of Proteome Systems, one of Australia's proteomic diagnostics companies.
- Served as Senior Editor of *Proteomics* since 2005. Serves on the editorial boards of *Clinical Proteomics* and systems biology journals including *Bioinformatics and Biology Insights*, *Journal of Clinical Bioinformatic Science*, *Journal of Integrated Omics*, *Computer Science & Systems Biology Research*.
- Has been active in the establishment of standards in proteomics and publication guidelines.
- Has served as HUPO Council Member since 2009 and chair of Publications Committee.
- Was a convener of HUPO2010 in Sydney and was the chair of the Conference Program.