

BIOGRAPHICAL SKETCH

NAME Tommy Nilsson	POSITION TITLE Professor (full). Medical Faculty-Manager of Proteomics and Imaging.		
CURRENT AFFILIATION University of Gothenburg, Sweden			
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
Uppsala University, Sweden/Scripps Clinic and Research Foundation, La Jolla, Ca Cancer Research UK, EMBO and ICRF fellow Cell Biology and Biophysics EMBL, Heidelberg University of Gothenburg, Sweden	Ph.D. Postdoc. groupleader Professor	1984-1990 1990-1995 1995-2003 2003-	Cell Biology/Virus Res. Cell Biology/Cancer Res Cell Biology general Cell Biology/Obesity Res

List of five recent publications by the candidate:

Grabenbauer, M., Geerts, W. J. C., Fernandez-Rodriguez, J., Hönger, A., Koster, A. J., and **Nilsson, T.** (2005). Correlative microscopy and electron tomography of GFP through photooxidation. *Nature Methods*, 2, 857-62.

Gilchrist, A., Au, C.E., Hiding, J., Bell, A.W., Fernandez-Rodriguez, J., Lesimple, S., Nagaya, H., Roy, L., Gosline, S.J.C., Hallett, M., Paiement, J., Kearney, R.E., **Nilsson, T.**, and **Bergeron, J.J.M.** (2006). Quantitative Proteomics Analysis of the Secretory Pathway. *Cell*, 17, 1265-81. Both PIs contributed equally.

Boström, P., Andersson, L., Rutberg, M., Perman, J., Lidberg, U., Johansson, B.R., Fernandez-Rodriguez, J., Ericsson, J., **Nilsson' T.**, Borén, J. and Olofsson, S.O. (2007). SNARE proteins mediate fusion between cytosolic lipid droplets with implications for insulin sensitivity. *Nature Cell Biol*, 9: 1286-93.

Au, C.E., Bell, A.W., Gilchrist, A., Hiding, J., **Nilsson, T.** and **Bergeron, J.J.M.** (2007). Organellar proteomics to create the cell map. *Current Opinion Cell Biol*. 19, 376-85.

Bell, A.W., Nilsson, T., Kearney, R.E. and **Bergeron, J.J.M.** (2007). The Protein Microscope: Incorporating mass spectrometry into cell biology. *Nature Methods* 4, 783-4. Two first authors contributed equally.

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

I work with the integration and implementation of key technologies. I was part of designing the concept of centralized platforms at EMBL focusing on advanced imaging and other technologies including proteomics and transcriptomics. I am the coordinator of the European Light Microscopy Initiative (ELMI) which mission is to increase the dissemination and use of light microscopy in Europe, promote interfacing between academia and industry and to organize a pan-European distributed infrastructure in microscopy. I am also the chief-negotiator for the medical faculty in the implementation of technology platforms. I also manage two platforms, imaging and proteomics. I currently work with colleagues at the HUPO to map adipocytes and to design the human proteome project. My input has so far been appreciated. I clearly see the importance of proteomics, be it antibody or mass spectrometry-based, to be organized and utilized such that platforms can perform in a distributed large-scale project. I am a Cell Biologist though my background is in engineering meaning that I have full appreciation and interest in key technologies. If I am elected Council member, my priority will be to promote proteomics to the community, ensure standardization, education and cooperation between international centers.