BIOGRAPHICAL SKETCH

NAME	POSITION TITLE
Carl A,K, Borrebaeck	Professor & Department Head Program Director – CREATE Health
CURRENT AFFILIATION Lund University	

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
Lund University	B.Sc.	1974	Biochemistry
Lund University	M.Sc.	1976	Chem. Engineering
Lund University - LTH	D.Sc.	1979	Immunochemistry
Univ. California	Post doc	1980-81	Immunochemistry
Lund University - LTH	Assist. Prof.	1982	Immunotechnology
Lund University - LTH	Assoc. Prof.	1985	Immunotechnology
Lund University	Full Prof.	1990	Immunotechnology
Oklahoma Medical Research Foundation OMRF	Greenberg Scholar	1996	Immunology/Biology
Lund University (www.createhealth.lth.se)	Program Director	2006	Cancer genomics/ proteomics

List of five recent publications by the candidate:
Total publications: 265

1. Ek S, Andréasson U, Hober S, Kampf C, Pontén F, Uhlén M, Merz H, & **Borrebaeck CAK**. (2006) From gene expression analysis to tissue microarrays - a rational approach to identify therapeutic and diagnostic targets in lymphoid malignancies. ***Mol Cell Proteomics*** 5, 1072-1081
2. Ellmark P, Ingvarsson J, Carlsson A, Lundin SB, Wingren C & **Borrebaeck CAK** (2006) Identification of protein expression signatures associated with H. pylori infection and gastric adenocarcinoma using recombinant antibody microarrays. ***Mol Cell Proteomics*** 5(9):1638-46
3. Ek S, Dictor M., Jerkeman M., Jirström K. & **Carl A.K. Borrebaeck** (2008) Nuclear expression of the Non-B cell lineage Sox11 transcription factor identifies mantle cell lymphoma, ***Blood*** 111, 800-805
4. Ortega, E Fransson J, Ek S. & **C.A.K. Borrebaeck** (2008) Functionally-associated targets in mantle cell lymphoma as defined by DNA microarrays and RNA interference, ***Blood*** 111, 1617-1624
5. Carlsson, A., Wingren, C., Ingvarsson, J., Ellmark, P., Baldertorp, B., Fernö, M., Olsson, H., & **Borrebaeck, CAK**. (2008) Serum proteome profiling of metastatic breast cancer using recombinant antibody microarrays. ***Eur. J. Cancer*** 44, 472-480

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

Prof. Borrebaeck has been involved in research focusing on antibody engineering for the generation of human therapeutic antibodies for two decades and was the first who demonstrated the use of PCR for amplifying Ig-genes, which then paved the way for the rapid assembly of antibody libraries. Since 1998 a strong focus has been on the use of DNA microarrays for the identification of disease-associated genes in particular in different aggressive lymphomas. During the last 7 years Prof. Borrebaeck has been leading the development of array-based proteomics, using in house designed recombinant antibody microarrays. This has been a multi-disciplinary project that, using antibody fragments designed for array applications, resulted in a number of cancer studies on e.g. gastric, breast, pancreatic carcinomas, glioblastoma, as well as lymphomas. The focus has been to define biomarker signatures that can provide an early diagnosis of cancer, as well as stratify patients for optimal treatment selection.
Prof. Borrebaeck is heading the department of Immunotechnology, consisting of 45 researchers focusing on technology development, with a strong focus on disease areas such as cancer and allergy. His expertise in HUPO would be array-based affinity proteomics.