

BIOGRAPHICAL SKETCH

NAME Hanno Langen	POSITION TITLE Vice President Head of Exploratory Biomarkers		
CURRENT AFFILIATION F. Hoffmann-La Roche AG			
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 Zuerich	Diploma	1984	Biochemistry
University of Zuerich	Doctorate	1988	Biochemistry
Universtiy of Bern	Privatdozent	2002	Proteomics
University of Basel	Teaching Position Systems Biology	2006	

List of five recent publications by the candidate:

From the genome sequence to the proteome and back: evaluation of E. coli genome annotation with a 2-D gel-based proteomics approach. Maillet, Isabelle; Berndt, Peter; Malo, Celine; Rodriguez, Sabrina; Brunisholz, Rene A.; Pragai, Zoltan; Arnold, Sabine; Langen, Hanno; Wyss, Markus. DSM Nutritional Products, Kaiseraugst, Switz. *Proteomics* (2007), 7(7), 1097-1106. Publisher: Wiley-VCH Verlag GmbH & Co. KGaA, CODEN: PROTC7 ISSN: 1615-9853. Journal written in English. CAN 146:517442 AN 2007:450684 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Identification of PSME3 as a novel serum tumor marker for colorectal cancer by combining two-dimensional polyacrylamide gel electrophoresis with a strictly mass spectrometry-based approach for data analysis. Roessler, Markus; Rollinger, Wolfgang; Mantovani-Endl, Liliana; Hagmann, Marie-Luise; Palme, Stefan; Berndt, Peter; Engel, Alfred M.; Pfeffer, Michael; Karl, Johann; Bodenmueller, Heinz; Rueschoff, Josef; Henkel, Thomas; Rohr, Gerhard; Rossol, Siegbert; Roesch, Wolfgang; Langen, Hanno; Zolg, Werner; Tacke, Michael. Centralized Diagnostics, Roche Diagnostics GmbH, Penzberg, Germany. *Molecular and Cellular Proteomics* (2006), 5(11), 2092-2101. Publisher: American Society for Biochemistry and Molecular Biology, CODEN: MCPOBS ISSN: 1535-9476. Journal written in English. CAN 146:59993 AN 2006:1301155 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Biomarker discovery by imaging mass spectrometry: transthyretin is a biomarker for gentamicin-induced nephrotoxicity in rat. Meistermann, Helene; Norris, Jeremy L.; Aerni, Hans-Rudolf; Cornett, Dale S.; Friedlein, Arno; Erskine, Annette R.; Augustin, Angélique; De Vera Mudry, María Cristina; Ruepp, Stefan; Suter, Laura; Langen, Hanno; Caprioli, Richard M.; Ducret, Axel. Pharmaceuticals Division, F. Hoffmann-La Roche Ltd., Basel, Switz. *Molecular and Cellular Proteomics* (2006), 5(10), 1876-1886. Publisher: American Society for Biochemistry and Molecular Biology, CODEN: MCPOBS ISSN: 1535-9476. Journal written in English. CAN 145:431654 AN 2006:1159390 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

Identification of Nicotinamide N-Methyltransferase as a Novel Serum Tumor Marker for Colorectal Cancer. Roessler, Markus; Rollinger, Wolfgang; Palme, Stefan; Hagmann, Marie-Luise; Berndt, Peter; Engel, Alfred M.; Schneidinger, Bernd; Pfeffer, Michael; Andres, Herbert; Karl, Johann; Bodenmueller, Heinz; Rueschoff, Josef; Henkel, Thomas; Rohr, Gerhard; Rossol, Siegbert; Roesch, Wolfgang; Langen, Hanno; Zolg, Werner; Tacke, Michael. Roche Center of Medical Genomics, Hoffmann-La Roche Ltd., Basel, Switz. *Clinical Cancer Research* (2005), 11(18), 6550-6557. Publisher: American Association for Cancer Research, CODEN: CCREF4 ISSN: 1078-0432. Journal written in English. CAN 144:126174 AN 2005:1002313 CAPLUS (Copyright (C) 2007 ACS on SciFinder (R))

How industry is approaching the search for new diagnostic markers and biomarkers. Zolg, J. Werner; Langen, Hanno. Centralized Diagnostics, Roche Diagnostics GmbH, Penzberg, Germany. Molecular and Cellular Proteomics (2004), 3(4), 345-354. Publisher: American Society for Biochemistry and Molecular Biology, CODEN: MCPOBS ISSN:

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

My current research is focused on the pharmaceutical and diagnostic application of proteomics in the field of Biomarker discovery and validation by using high throughput protein identification workflows. I am a senior Editor of the Proteomics Journal and founding members of the Human Proteome Organization. Leading one of the biggest groups of proteomics in Industry I can bring of lot of aspects about how to add value to pharmaceutical and diagnostic business using proteomics technologies. I think the link between academia and industry is an important aspect of HUPO.