

BIOGRAPHICAL SKETCH

Provide the following information for the key personnel in the order listed for Form Page 2.

Follow the sample format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Hincapie, Marina eRA COMMONS USER NAME (credential, e.g., agency login) M.HINCAPIE		POSITION TITLE Research Assistant Professor	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Massachusetts, Boston, MA Brandeis University, Waltham, MA	B.Sc. Ph.D.	1983 1998	Biology Biochemistry

A. Positions and Honors

Positions and Employment

- 1983 – 1987 Research Assistant, Mass Eye and Ear Infirmary, Boston, MA
1987 – 1992 Senior Research Associate, Repligen Corp, Cambridge, MA
1998 – 2000 Group Leader, Biochemistry, V.I Technologies, Inc (VITEX), Watertown, MA
2000 – 2002 Group Leader, Protein Chemistry/ Proteomics Division, MGI Pharma, Lexington, MA
2002 – 2004 Director of Proteomics, Beyond Genomics, Inc., Waltham, MA.
2004 – 2006 Principal Research Scientist, Barnett Institute, Northeastern University, Boston, MA
2006-present Research Assistant Professor, Barnett Institute, Northeastern University, Boston, MA

Honors

1. Biochemistry training grant award. NIH GM 07122-20. 1992-1995.
2. Award Scientific Excellence, Beyond Genomics, Inc, 2002.
3. The Hatsopoulos Young Scholar Fellowship, 2005-2006.

B. Selected Peer-Reviewed and Patents

1. Stura, E.A., Stanfield, R.L., Fieser, G.G., Silver, S., Roguska, Hincapie, M, Simmerman, H.K., Profy, A.T., & Wilson, I.A. (1992) "Crystallization, sequence, and preliminary crystallographic data for an anti-peptide Fab 50.1 and peptide complexes with the principal neutralizing determinant (PND) of HIV-1", *Proteins*, 14: 499-508.
2. Hincapie, M., McCusker, J.H., & Haber, J.E. (1995) "MOP2 (SLA2) affects the abundance of the plasma membrane H⁺-ATPase", *Journal of Biological Chemistry*, 270(12): 6815-6823.
3. Tomlinson, A.J., Hincapie, M., Morris, G.E. & Chic., R.M. (2002) "Global Proteome Analysis of a - Human Gastric Carcinoma", *Electrophoresis*, 23(18): 3233-3240.
4. Plavina, T., Wakshull, E., Hancock, W.S., & Hincapie, M. (2007) "Combination of Abundant Protein Depletion and Multi-Lectin Affinity Chromatography (M-LAC) for Plasma Protein Biomarker Discovery", *Journal of Proteome Research*, 6(2): 662 – 671.
5. Orazine, C.I., Hincapie, M., Hancock, W.S., Hattersley, M. and Hanke, J., (2008) "A Proteomic Analysis of the Plasma Glycoproteins of a MCF-7 Mouse Xenograft : A Model System for the Detection of Tumor Markers", *J. Proteome Res.*, 7, 1542-54.
6. Dayarathna, MKD, Hancock, W.S. and Hincapie, M., (2008), "A Two Step Fractionation Approach for Plasma proteomics Using Immunodepletion of Abundant Proteins and Multi-lectin Affinity Chromatography (M-LAC): Application to the Analysis of Obesity, Diabetes and Hypertension", *J. Sep. Science*, 6-7, 1156-66.
7. Ralin, D.W., Dultz, S.C., Silver, J.E., Travis, J.C., Kullolli, M., Hancock, W.S. and Hincapie, M., (2008), "Kinetic Analysis of Glycoprotein–Lectin Interactions by Label-Free Internal Reflection Ellipsometry", *Clin. Proteomics*, 4,37-46.

8. Plavina, T., Hincapie, M., Wakshull, E., Subramanyam, M., and Hancock, W.S., (2008), "Increased Plasma Concentrations of Cytoskeletal and Ca²⁺-Binding Proteins and their Peptides in Psoriasis Patients", *Clinical Chemistry*, 54, 1805-1814.
9. Kullolli, M., Hancock W.S., and Hincapie M., (2008), "Preparation of a High-Performance Multi-Lectin Affinity Chromatography (HP-M-LAC) Adsorbent for the Analysis of Human Plasma Glycoproteins", *J. Sep. Science*, 31, 2733-39.
10. Zheng, X., Wu, S-L., Hincapie, M. and Hancock, W.S., (2009), "Study of the Human Plasma Proteome of Rheumatoid Arthritis", *J. Chromatogr. A*, 1216(16) 3538-45.
11. Bell, A.W., et al, (2009), "A HUPO Test Sample Study Reveals Common Problems in Mass Spectrometry-Based Proteomics", *Nat. Methods*, 6(6), 423-30.
12. Taylor, A.D., Hancock, W.S., Hincapie, M., Tamiguchi, N. and Hanash, S.M., (2009), "Towards an Integrated Proteomic and Glycomic Approach to Finding Cancer Biomarkers", *Genome Med.*, (2009) Jun 4, 1(6), 57.
13. Carlage, T., Hincapie, M., Zang, L., Lyubarskaya, Y., Madden, H., Mhatre, R. and Hancock, W.S., (2009), "Proteomic Profiling of a High-Producing Chinese Hamster Ovary Cell Culture", *Anal Chem. Sep.* 1;81(17):7357-62.
14. Akella, L.M., Rejtar, T., Orazine, C., Hincapie, M. and Hancock, W.S., (2009), "CLUE-TIPS, Clustering Methods for Pattern Analysis of LC-MS Data", *J Proteome Res.* Oct;8(10):4732-42.
15. Zeng, Z., Hincapie, M., Haab, B.B., Hanash, S., Pitteri, S.J., Kluck, S., Hogan, J.M., Kennedy, J., Hancock, W.S., (2009), "The Development of an Integrated Platform to Identify Breast Cancer Glycoproteome Changes in Human Serum", *J Chromatogr A.*, Sep 16. [Epub ahead of print].

PATENTS

1. Tomlinson, A.J., Hincapie, M., & Chicz, R.M., (2002) "Esterification of peptides for specific isolation and quantification of protein. Proposed Use of Methylation with Chromatography Considerations.
2. Hancock, W.S., Yang, Z. and Hincapie, M., "Detection of Glycosylation Pattern Changes of Glycoprotein by Sequentially Using Specific Displacers for Multi-Lectin Affinity Chromatography", PCT/US2005/015919.
3. Hancock, W.S., Baker, H., Zhang X., and Hincapie, M., "Detection of Disease Associated Proteolysis", PCT/US2005/037024.
4. Hancock, W.S., Hincapie, M. and Dayarathna, M.K.D., "Biomarkers for Diabetes, Obesity and/or Hypertension", PCT/US2008/069145.