BIOGRAPHICAL SKETCH

NAME **Michael Snyder**	POSITION TITLE **Lewis B. Cullman Professor**
eRA COMMONS USER NAME MPSNYDER	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing,*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
University of Rochester, Rochester, NY	B.A.	1973-77	Chemistry/Biology
California Institute of Technology	Ph.D.	1978-82	Biology
Stanford University, Palo alto, CA	Postdoc	1982-86	Molecular Genetics

Five Selected Publications (223 Total; ~185 Refereed; Last five years 110 total; ~80 Refereed)

Hall, D.A., Zhu, H., Royce, T., Gerstein, M. and M. Snyder. (2004) Regulation of gene expression by a metabolic enzyme. Science 306: 482-484, PMID: 15486299.

Ptacek, J., Devgan, G., Michaud, G., Zhu, H., Zhu, X., Fasolo, J., Guo, H., Jona, G., Breitkreutz, A., Sopko, R., Lee, S., …Andrews, B., Gerstein, M., Schweitzer, B., Predki, P., and Snyder, M. (2005) Global Analysis of Protein Phosphorylation in Yeast. **Nature** 438:679-84, PMID: 16319894.

Borneman, A.R., Gianoulis, T.A, Zhang, Z.D., Yu[4], H., Rozowsky[4], J., Seringhaus, M.R., Wang, L.Y., Gerstein, M., Snyder, M., Divergence of Transcription Factor Binding Sites Across Related Yeast Species. **Science** 317:815-19.

Robertson G, Hirst M, Bainbridge M, Bilenky M, Zhao Y, Zeng T, Euskirchen G, Bernier B, Varhol R, Delaney A, Thiessen N, Griffith OL, He A, Marra M, Snyder M, Jones S. (2007). Genome-wide profiles of STAT1 DNA association using chromatin immunoprecipitation and massively parallel sequencing. **Nat. Methods**, 4:651-7.

Korbel, J.O.*, Urban, A.E.*, Affourtit*, J., Godwin, B., Grubert, F., Simons, J.F., Kim, P., K., Palejev, D., Carriero, N., Du, L., Taillon, B., Tanzer, A., Chi[5], J., Yang, F., Carter, N., Hurles, M.E., Weissman, S., Harkins, T., Gerstein, M., Egholm, M., Snyder, M. (2007). Paired-end mapping reveals extensive structural variation in the human genome. **Science** 318: 420-6..

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

Michael Snyder is the Lewis B. Cullman Professor of Molecular and Cellular Biology and Professor of Molecular Biophysics and Biochemistry at Yale University; he is also the Director of the Yale Center of Genomics and Proteomics. Dr. Snyder received his Ph.D. training in the laboratory of Dr. Norman Davidson at the California Institute of Technology and carried out postdoctoral training in Dr. Ronald Davis's laboratory at Stanford University. He is a leader in the field of functional genomics and proteomics. His laboratory study was the first to perform a large-scale functional genomics project in any organism, and currently carries out a variety of projects in the areas of genomics and proteomics both in yeast and humans. These include the large-scale analysis of proteins using protein microarrays and the global mapping of the binding sites of chromosomal proteins. His laboratory built the first proteome chip for any organism and the first high resolution tiling array for the entire human genome. Dr. Snyder has published over 200 manuscripts and is editor of a number of journals including *Functional and Integrative Genomics, Molecular and Cellular Proteomics, Drug Discovery Today, PloS Genetics* and *Genes and Development*. He sits on many international advisory boards and was a cofounder of Protometrix, Inc., a protein microarray company that was purchased by Invitrogen in 2004.