

Symposium on Molecules, Machines and Networks

6-9 January 2004

at National Centre for Biological Sciences, GKVK Campus, Bangalore 560 0655, India

The symposium will explore the relationship between form and function in biological macromolecules. Sessions on the structural analysis of proteins and the rft6ans by which form is attained will lead into sessions on how this form determines function. Talks at the meeting will cover the gamut from studies on single molecules in solution through membrane proteins to macromolecular assemblies examined using a variety of theoretical as well as experimental techniques.

Single Molecule Biology: D Bensimon, France, K Kinoshita Jr, A Kusumi, N Shimamoto, Japan, G V Shivashankar, India and P S Weiss, USA.

Motors and Macromolecular Assemblies: H C Berg, J Kuriyan, J A Spudich, R D Vale, USA and T L Blundell, UK.

Networks: U Alon, Israel, M Elowitz and E D Siggia, USA

Membrane Proteins Structure, Function and Folding: P Booth, UK, F Bezanilia, D M Enociman, G P Hess, E Isacoff, J K Lanyi, L Tamm, USA, A K Lala, M.K. Mathew, India and W Stuehmer, Germany.

Structural Analysis and Folding of Biomolecules: P Balaram, R Sowdhamini, J B Udgaonkar, India, W DeGrado, J Fernandez, L Regan, J Richardson, A Saini and M Zuker, USA

For registration and other details see: <http://www.ncbs.res.in/~events/mmn.html>

Workshop on Single Molecule Biophysics

4-15 January 2004

at National Centre for Biological Sciences, GKVK Campus, Bangalore 560 0655, India

The workshop will address recent advances in single molecule biophysics, which has led to an exploration of form and function in biological systems. The sessions will cover aspects of single molecule nanomanipulation, the use of advanced optical probes to the study of single molecule dynamics and the necessary theoretical framework. **SPEAKERS INCL UDE**

B. Bagchi, India, M. Bansal, India, D. Bensimon, France, E. Braun, Israel, M. Calame, Switzerland, D. Chatterji, India, B. Dubertret, France, M. Feinold, Israel, A. Kusumi, Japan, S. Maitil, India, S. Mayor, India, G. Menon, India, O. Mesquita, Brazil, S. Patel, USA, S. Quake, USA, Y. Rabin, Israel, M. Sano, Japan, N. Shimamoto, Japan, G. V. Shivashankar, India, J. Stavans, Israel, G. Zocchi, USA,

For registration and other details see- <http://www.ncbs.res.in/~events/mmnw.html>

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