



United Nations
Educational, Scientific and
Cultural Organization

REGIONAL CENTRE FOR BIOTECHNOLOGY

an institution of education, training and research

(Established by the Dept of Biotechnology, Govt. of India under the auspices of UNESCO)
180 Udyog Vihar Phase I, Gurgaon - 122016.
National Capital Region.

Tel: 0124-2848804, URL: www.rcb.res.in

Workshop on Platforms for Molecular Cross-talks in Modern Biology

4th-9th June 2012

Application deadline

7th May
2012

Deciphering how molecular interactions shape the complex organization, behavior and evolution of organisms has been a challenge in modern biology. The study of complex systems gain momentum using holistic approach, in which the biophysical measurements of individual components can be used as a means of obtaining kinetic models of biochemical pathways. Intermolecular cross-talks govern all physiological processes and understanding the kinetics, thermodynamics, stability and specificity of molecular interactions will provide insights into regulation of key processes associated with health and disease.

This workshop will showcase *in vivo* as well as *in vitro* approaches to detect and dissect molecular interactions in cellular systems. Expert faculty presently practicing these approaches in their on-going research will deliver lectures and provide didactic training using state-of-the-art equipment. Participants will gain research-based training and in-depth knowledge of the platforms employed in understanding molecular communications in biology.

Topics

- Mass Spectrometry in Proteomics
- Microscopy in Intra-Cellular Signaling
- Thermodynamics of Molecular Interactions

Selection Criteria

A maximum of 15 participants will be selected by a scientific committee based on information collected upon registration on the following areas:

- Relevance of the candidate's research
- Letter of support from the candidate's supervisor
- Geographical distribution (aiming at a broader representation)

Registration

Interested students can read the details of registration from the website and can apply online at : www.rcb.res.in

Shortlisted candidates would be requested to deposit Rs. 3000/- as registration fee.

Information:

www.rcb.res.in

Contact/Applications:

workshop@rcb.ac.in

