International Conference on
Functional Biology and Molecular Interactions: Applications in Health and Agriculture
FBMI 2017
December 20-22, 2017

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5. Title of the Paper
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6. Registration Fee

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Details of bank transfer:
Beneficiary name: **FBMI 2017**
Account No: **187302000000186**
IFSC code: **IOBA0001873**
Payable at: **Indian Overseas Bank, BSIP Branch , Lucknow-226007**

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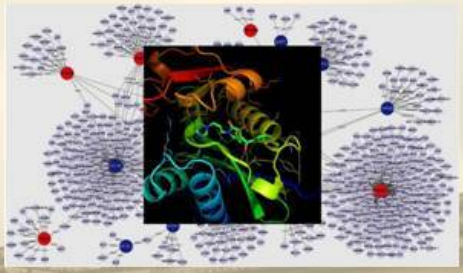

Department of Biochemistry
University of Lucknow
Lucknow 226007

Background of the Department of Biochemistry

The Department of Biochemistry at The University of Lucknow is established in the session 1955-56 and has received generous international grants from the Rockefeller Foundation, UNESCO and the UNDP. Major support has come from the UGC under the Special assistance and COSIST programmes. More recently DST under its FIST and PURSE programs and U.P. State Govt. Dept of Higher Education under its Centre of Excellence Programme, have provided generous funding. Major funding has also been received from Department of Biotechnology (DBT) and CSIR under NMITLI networking program. The Department was made a DBT sponsored centre of teaching in Biotechnology from 2002. This was followed by the establishment of a DBT Bioinformatics facility at the Department. Support has consistently come from DST, DBT, CSIR, ICMR and UPCST in the form of major research projects. Current research interests include plant biotechnological approach to lignin content modification and fruit ripening, biochemistry of diabetes, cancer biology, plant molecular markers, photosynthesis, redox biology, ROS mediated signalling, roles of lysosomal proteases in disease and lipid biology in relation to multidrug resistance.

About Lucknow:

Lucknow blends the traditional with the modern. The city of Nawabs boasts of several gardens and historical monuments and has its own importance in the medieval history of India. The city has lately developed as a hub for education and research, with as many as eight universities and seven research institutes funded by CSIR, DST and ICAR. Lucknow has seen a transformation with modern shopping arcades, malls and multiplexes dotting the city skyline. Lucknow and surrounding areas are famous for their signature styles of arts and crafts. More specifically, Lucknow is famous around the world for its exquisite chikan work and equally for its mughlai food. Night temperature is expected to range between 5 and 10°C in late December and delegates are advised to carry appropriate protective clothing.

Themes:

1. Animal and plant function, responses to biotic and abiotic stimuli and the basis of disease. Molecular basis and biochemistry of development and microbial community integration.
2. Response of plants, animals and microbes to environmental cues, including stress.
3. Molecular interactions involved in developmental processes and programmed cell death in plants and animals
4. Interventional strategies: Approaches though chemical biology. Engineering drugs and sourcing from the repository of natural compounds.
5. Biotechnological approaches: Stress tolerant organisms through recombinant DNA, vaccines and gene therapy. Genetically modified organisms.
6. Biophysical approaches to study protein-protein, protein nucleic acid interactions and interactions of small molecules of natural or synthetic origin, including xenobiotics/toxicants, with biological macromolecules.
7. Signalling pathways, and metabolic events as integrators of molecular interactions.
8. Molecular probes and biophysical approaches to track developmental as well as stress induced changes.
9. Bioinformatics approaches and strategies for *in silico* analyses to study molecular interactions and their integration.
10. Omics approach to the study of biological interactions and their integration.

The conference aims to discuss all aspects of functional biology of animals, plants and microbes from the organism/community scale to molecular level, the key molecular interactions involved and their modification by xenobiotics. The proposed conference seeks to bring together a collection of scientists from areas of basic plant and animal sciences, microbiology and biotechnology to present and discuss their scientific efforts and to expose young scientists to the current status of research.

Submission of abstracts:

Abstracts (upto 250 words) are invited. Presentations shall be in the form of posters and lectures. Each day shall have invited lectures by leading scientists as well as by other distinguished participants. Accepted abstracts shall be published in a book of abstracts. Abstracts should be submitted in electronic form, as MS-Word files. The submission should be addressed to "The Organizing Secretary, "**FBMI 2017**" and should reach us by **November 30, 2017**. The authors will be informed about the acceptance of their paper by **December 05, 2017**.

There will be separate, competitive sections for oral presentations by young scientists (below the age of 35 years) as well as for poster presentations. One each in the area of plant sciences and in animal/human biology.

Conference proceedings:

It is proposed to bring out proceedings of the conference, featuring full length research papers, and reviews, selected and invited from those presented, by a panel of experts and would be subject to peer review.

Registration:

Registration charges are Rs. 4000 for permanent staff and post-doctoral researchers, 3,000 for students, 6,000 for participants from the corporate sector and US $ 150 for foreign participants. Spot registration will attract an additional payment of Rs. 1000. ***Registration charges may be paid in the form of a draft/via NEFT at the particulars given on the front page.***

Accommodation:

Limited accommodation is available in the University Guest house, on paid basis. Lucknow has a number of hotels catering to all tastes and price ranges. However, since late December sees a *spurt in tourism as well as in* conferences necessitating booking in advance. Delegates are advised to book in advance.

Finally, on behalf of the organizing committee of the conference and on our own behalf, we extend you a hearty welcome at Lucknow, for the conference and look forward to three days of exciting and academically invigorating deliberations.

Deepak Chandra
Chairman

Samir Sharma and
Minal Garg
Organizing Secretaries