

Science Academies' Lecture-Workshop on "Spectroscopy in Chemical Biology"

at Department of Chemistry, Banaras Hindu University
21st-22nd March, 2014

The Science Academies' Lecture - Workshop on "Spectroscopy in Chemical Biology" sponsored by the three Science Academics of India (i.e. [IASc](#), [INSA](#) & [NASI](#)) is being hosted by [Department of Chemistry, Banaras Hindu University, Varanasi](#) during **21st-22nd March, 2014**.

The purpose of this lecture-workshop is to understand fundamental and biological applications of Molecular Spectroscopy which is ubiquitous across all the fields of science. Eminent scientists and professors will deliver lectures on Molecular Spectroscopy and its application in Chemical Biology (e.g. protein folding, dynamics, and drug-DNA interaction etc). This Science Academic's lecture-workshop is specifically meant for the local/regional students and for nearby college teachers who are related to this topic.

There will be **no registration fee** for participation. In addition, registration material and working/packet lunch box will be given to all selected participants (limited number). Participants will get ample chance for interaction (during or after the lectures) with these renowned speakers as a part of learning and doubt clearance with regard to subject.

Interested students/teachers are requested to fill online application form using:

<http://www.lwscb2014bhu.com/registration.html>

(No offline mode of registration is available)

Online application form is open now.

Last date of online application: 15th March 2014

LIST OF SPEAKERS: (In alphabetical order)

- 1.) **Prof. Anunav Samanta**
Hyderabad Central University (HCU), Hyderabad
- 2.) **Prof. G. Krishnamoorthy**
Tata Institute of Fundamental Research (TIFR), Mumbai
- 3.) **Prof. Lallan Mishra**
Banaras Hindu University (BHU), Varanasi
- 4.) **Dr. Pramit Chowdhury**
Indian Institute of Technology (IIT), New Delhi
- 5.) **Prof. S. K. Sen Gupta**
Banaras Hindu University (BHU), Varanasi
- 6.) **Dr. Souvik Maiti**
Institute of Genomics and Integrative Biology (IGIB), New Delhi

Lecture Topics:

- Fluorescence Spectroscopy: The Fundamentals and Applications
- Application of FRET in Biology
- Time-Domain Fluorescence Spectroscopy and its Application in Biology
- Single Molecule Fluorescence Spectroscopy and its Application in Biology
- Spectroscopic Studies of Drug-DNA Interaction
- Biological Activity of Some Transition Metal Complexes
- NMR and its Application in Chemical Biology
- Career in Science

Eligibility: Students (Preferably local/ regional) of B.Sc final year, M.Sc, Research Scholars, College Teachers (teaching related topics). Preference will be given to the applicants with suitable subject background.

Total number of registered participants is limited to 125.

On behalf of Science Academies' Lecture-Workshop on "Spectroscopy in Chemical Biology"

Organizing committee:

Prof. Lallan Mishra Head, Department of Chemistry (Chairman, LWSCB 2014)

Dr. Satyen Saha (Co-ordinator, LWSCB 2014)

For Registration and detailed updated information,

Please visit: www.lwscb2014bhu.com Email: lwscb2014@gmail.com