To mark the centenary year of the pioneer work on diffraction of X-rays by crystals, year 2014 is being observed as International Year of Crystallography. To commemorate this landmark occasion, I.I.T. Roorkee is organizing an International conference to bring structural biologists from all over the country and abroad to meet and deliberate on various aspects of structural biology and drug discovery research. We welcome all scientists to share their observations, scientific views and new achievements on these aspects. This workshop will provide a common platform for interaction between scientific and technical representatives in the context of projects that focus on problems of mutual interest in the area of structure based drug designing, virus crystallography and bioremediation. The conference will be a three day event which will include the sessions on all the aspects of structural biology of macromolecules and their role in drug discovery. There will be a beneficial lecture series along with workshop for the participants.

Early bird Registration till 31th August 2014

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<tr>
<td>Faculty or Scientist</td>
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<td>Accompanying Person</td>
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<td>Research Scholar/Postdoc/Student</td>
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<td>Industry Participant</td>
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All the demand drafts should be made in favor of “Dean SRIC” or direct payments can be made at https://www.onlinesbi.com/prelogin/icollectihome.html?corpID=365641

*Registration fee includes food and accommodation

Call for Abstract

Research scholars, scientists and faculty are invited to register through the website given below. For registration and poster presentation, student participants should send their abstracts along with the registration form to rasbddd.iitr.2014@gmail.com

Website: http://www.iitr.ac.in/departments/bitechnology


Address:
Department of Biotechnology,
Indian Institute of Technology Roorkee,
Roorkee, Uttarakhand 247667,INDIA.

Confirmed Speakers

Indian Speakers
- Prof. M. Vijayan, IISc Bangalore
- Prof. T.P. Singh, AIIMS Delhi
- Dr. D. M. Salamke, RCB Gurgaon
- Prof. R. V. Hosur, TIFR Mumbai
- Prof. S. Ramaswamy, NCBS Bangalore
- Dr. S. C. Mande, NCBS Pune
- Prof. N. Gautam, MU
- Prof. Punit Kaur, AIIMS Delhi
- Dr. R. Sankaranarayan, CCMB Hyderabad
- Dr. Amit Sharma, ICGEB Delhi
- Prof. B. Gopal, IISc Bangalore
- Prof. A. K. Das, IIT Kharagpur
- Dr. Pushker Sharma, IIT Delhi
- Prof. Rup Lal, Delhi University
- Prof. A.K. Saxena, JNU Delhi
- Dr. Vinay Kumar, BARC, Mumbai
- Dr. S. Karthikeyan, IMTECH Chandigarh
- Dr. Ruchi Anand, IIT Bombay
- Dr. S. Gourinath, JNU Delhi
- Dr. A. K. Varma, ACTREC

Foreign Speakers
- Prof. Jack Johnson, Scripps Research Institute- USA
- Prof. Richard J. Kuhn, Purdue University- USA
- Prof. Jeffrey T. Bolin, Purdue University- USA
- Prof. Carol Post, Purdue University - USA
- Prof. Andrew Fisher, UC-Davis
- Prof. Frances Separovic ,University of Melbourne, Australia
- Dr. Kunichipadham Swaminathan, NUS, Singapore
- Dr. Wen Jiang, Purdue University-USA
- Dr. David Neau, APS Chicago

Preliminary Technical Agenda

- Structural biology and drug design
- Structural virolgy
- Cryo-electron microscopy and its basic concepts
- Protein NMR
- Protein: protein interactions
- Computational structural biology
- Emerging trends in structural biology
- Challenges in structural biology
- Applications of structural biology
- Other recent developments in biophysics and biochemistry

Workshop sessions @ I.I.C., I.I.T. Roorkee

- Characterization of molecules
- Crystallization, data collection and data processing
- Phasing techniques and structure solution by X-ray, electron microscopy and NMR spectroscopy
- Model building and refinement
- Structure visualization software’s and structure analysis

IIT Roorkee is situated at the foothill of the Himalayas, in Haridwar district, within the state of Uttarakhand. Roorkee is a quiet town of moderate size in the district of Haridwar (Uttarakhand), is located on the banks of the upper Ganga Canal, which takes off at Haridwar, 30km away. It is the gateway to the pilgrim centres of Haridwar, Rishikesh, Badrinath and Kedarnath, and tourist attractions of Dehradun and Mussoorie.

Roorkee is well connected to Delhi by rail and road, which is 180km. It is situated on National Highways 58 and 73 and is on Amritsar-Howrah main rail route.
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<td>Invited / Poster)</td>
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NOTE: The Demand Draft should be made in favor of "RASBDD-IITR-2014" payable at Roorkee. The registration form/ Abstract and copy of DD/challan should be mailed to: rasbdd.iitr.2014@gmail.com or Send a copy of the same to RASBDD-2014, Department of Biotechnology, IIT Roorkee, Roorkee, Uttarakhand- 247667, India

For online payment of registration fee:
https://www.onlinesbi.com/prelogin/icollectihome.htm?corpID=365641

Details of online payment
Select Payment: IIT Roorkee Conference
Category: *
Conference Code: CONFR-15-BIO
Date of Conference: 9th Oct2014