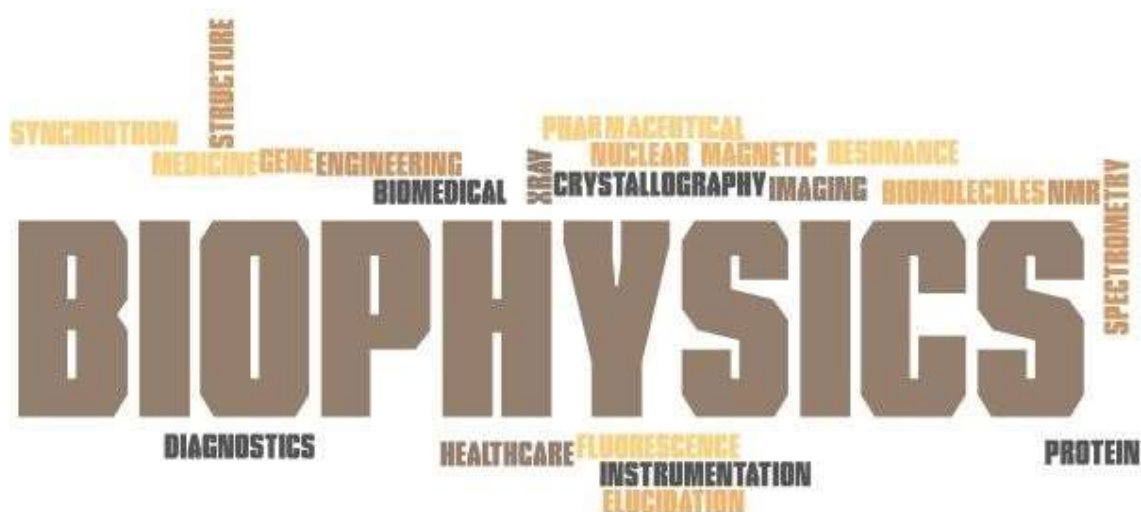


Conference on “ROLE OF BIOPHYSICS IN ACADEMIA AND INDUSTRY”

DATE: 12-13th October, 2017

Organized by: Department of Biophysics, Panjab University,
Chandigarh



Venue: ICSSR Complex, Sector-14, Panjab University, Chandigarh

Abstract submission: Please submit abstracts by 31st August, 2017

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Patron

Prof. Arun Kumar Grover,
Vice-Chancellor
Panjab University,
Chandigarh

Convener

Prof. M. L. Garg
Chairperson,
Department of
Biophysics, Panjab
University, Chandigarh

**Organizing
Committee****Members**

Prof. F. S. Nandel
Prof. S. N. Sanyal
Prof. Bimla Nehru
Prof. D. K. Dhawan
Prof. Ashwani Koul
Dr. Sarvnarinder Kaur
Dr. Avneet Saini
Dr. Tanzeer Kaur
Dr. Pavitra Ranawat
Dr. Simran Preet
Dr. Naveen Kaushal
Dr. Neha Singla
Dr. Ravi P. Barnwal

About Department: The Department of Biophysics was established in 1964 and it is the only department, which offers both undergraduate and postgraduate courses in the discipline of Biophysics (Honours School). The department also offers excellent research opportunities leading to the award of Ph.D. degree. Department of Science and Technology (DST) has accorded the department status of "DST-FIST Supported Department". Moreover, the department has also been selected by UGC for Special assistance program (SAP) DSA phase I based on its accomplishments in research and education. More: <http://biophysics.puchd.ac.in>

About the Panjab University: One of the oldest Universities in India, the Panjab University (PU) initiated at Lahore in 1882, has a long tradition of pursuing excellence in teaching and research in science and technology, humanities, social sciences, performing arts and sports. More: <http://puchd.ac.in/pu-profile.php>

About Chandigarh: Chandigarh, located at the foothills of the Shivalik range, is known as one of the most successful experiments in urban planning and modern architecture in the twentieth century India. Over the years since its conception, Chandigarh and its neighboring localities have proven to be a hub for pharmaceutical industries and related corporate sectors. Multiple pharma companies have also set up facilities for research and development. The city also has established hospitals of quality care in its region.

To foster and sustain close academic alliances between institutions of higher education and research in this region, Chandigarh Region Innovation and Knowledge Cluster (CRIKC) (<http://crikc.puchd.ac.in/>) was established. It identifies and carries out joint and collaborative research projects among the many educational, research, medical, engineering and industrial institutes present in the city and adjoining areas.

More about the city: http://chandigarh.gov.in/knowchd_general.htm

ABOUT THE CONFERENCE: During 20th century, biophysicists have made important contributions in the development of Biophysical techniques like X-ray crystallography, Nuclear Magnetic Resonance, Mass Spectrometry, Electron Spin Resonance, Fluorescence, Raman and UV-visible spectroscopies for the study of biomolecules and in the establishment of diagnostic tools *viz.* Magnetic Resonance Imaging, Nuclear Medicine (CAT, SPECT, PET), Ultrasound Imaging, Electrocardiography which are already playing noticeable role for mankind. Despite this, the outreach growth of Biophysics discipline in the Indian Academia is inadequate as compared to other disciplines like Physics, Biology and Chemistry, at the school, college and university level. This might be due to a lack of appreciation by the physical scientists of the biological aspects and the bio-scientists of the physical aspects.

In the 21st century also, Biophysics is continuing to contribute to modern drug discovery (based on molecular modelling and bioinformatics), high throughput structure elucidation with synchrotron based monochromatic X-ray sources (in U.S.A., Japan, Europe), high field (up to 1 GHz) NMR, fluorescence based single molecule imaging and many more.

From India, in this direction, Institutes such as Molecular Biophysics Unit, Indian Institute of Science, Bengaluru; Saha Institute of Nuclear Physics, Kolkata; Tata Institute of Fundamental Research, Mumbai; Biophysics Departments of AIIMS, New Delhi and PGIMER, Chandigarh, have played pivotal role in the development of the discipline of Biophysics. Through Indian Biophysical Society, founded in 1965 (<http://indianbiophysicalsociety.org/index.html>), these institutes have worked in consonance with the International Biophysical Society (<http://www.biophysics.org>) for the growth of this discipline.

Present conference is being organised with the objective of increasing the outreach of Biophysics in Academia and Industry. The topics to be covered are:

1. Molecular Biophysics (encompassing structure determination using spectroscopy, crystallography, molecular modelling and bioinformatics).
2. Biomedical Imaging
3. Gene and protein engineering
4. Teaching at undergraduate and graduate level (theory and practical).
5. Industrial relevance and collaboration for biophysics.

The students and the faculty from the colleges and universities, scientists working in R&D laboratories who are applying Biophysical tools for research; professionals from Pharmaceutical, Medical Diagnostics and instrumentation, spectroscopic instrumentation; start-ups; Pharmacovigilance and healthcare providers and any other related area are invited to join for presenting their work and develop a network.

Schedule Overview

Day one (12th October, 2017)	
10:00 AM	Inaugural Ceremony
10:30 AM-1:00 PM	Invited Talks
1:00 AM-3:00 PM	Poster Session & Lunch
3:00 PM-6:00 PM	Invited Talks & Oral Presentation
Day Two (13th October, 2017)	
10:00 AM 1:00 PM	Biophysics curriculum discussion for Medical, Pharmaceutical, Biomedical/Life Sciences Institutes and Degree Colleges.
1:00 AM-3:00 PM	Poster Session & Lunch
3:00 PM-5:00 PM	Presentations from Industrial Partners
5:00 PM-6:00 PM	Valedictory Function and Concluding Remarks

Registration Fee

Students and Research Scholars	₹1000/- (Lodging & Boarding as per actuals)
Faculty Members & Scientists	₹2000/- (Lodging & Boarding as per actuals)
Industry Representatives	₹2000/- (Lodging & Boarding as per actuals)
Foreign Delegates	\$250/- (Lodging & Boarding as per actuals)

Alumni meet on 14th October
Organized by
Biophysics Alumni Association of Panjab University (BAAPU)

With immense pleasure, we wish to inform you that the Department of Biophysics is organizing its alumni meet on 14th October, 2017. As you know, the Department of Biophysics, Panjab University was established in the year 1964 and gradually grew to attain recognition under the leadership of Prof. S. R. Bawa. Over the years, the faculty of the department remained academically active and contributed significantly in terms of publications, bringing large number of projects, and guiding many Ph.D. theses.

Further, Alumni from this department have been suitably placed and many have occupied coveted positions in the academia, industry, medical institutions, national laboratories and prestigious research institutions in India and abroad. The Department of Biophysics at Panjab University, Chandigarh shall organize Conference on **ROLE OF BIOPHYSICS IN ACADEMIA & INDUSTRY** from October 12 to 13, 2017. Following the conference, on 14th October, 2017 (Saturday), meetings of Alumni followed by cultural programs shall also be held. This is to develop a close network between the alumni settled in different fields and the current generation of students. On behalf of the Biophysics Alumni Association of Panjab University (BAAPU), we extend our heartiest invitation to you and your family members to save these dates and make it convenient to attend the alumni meet.

Biophysics Alumni Association of Panjab University (BAAPU)
Organizing committee for 2017-2020

The Patron: Prof. S. R. Bawa, Founder Chairperson

The Secretary: Prof. M.L. Garg, Chairperson

The Joint Secretary: Dr. Shalmoli Bhattacharya, Head, Biophysics department, Post Graduate Institute of Medical Education and Research (PGIMER).

The Treasurer: Dr. Pavitra Ranawat, Department of Biophysics, Panjab University, Chandigarh

Elected executive members:

Dr. Sarv narinder Kaur (Assistant Professor)

Dr. Tanzeer Kaur (Assistant Professor)

Dr. Naveen Kaushal (Assistant Professor)

Ms. Ramanpreet (Research Scholar)

Two members from alumni active in Industry/Corporate sector of National/International standing. (Nominations are being invited).

Two members from alumni in academia outside the Biophysics department, of National/International standing. (Nominations are being invited).

One more such alumnus, Dr. Pawan K. Singal, from University of Manitoba, is also invited.

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Chairperson, Biophysics Department,
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For constitution of BAAPU please visit <http://biophysics.puchd.ac.in/show-noticeboard.php?nbid=1> and see notice dated 17th April, 2017.