

## Registration Form

Name & Designation : .....

Affiliation: .....

Address: .....

Areas of interest: .....

E-mail : .....

Fax : ..... Phone : .....

Accommodation required: YES/NO .....  
(Please tick the type of accommodation required)

Guest House

Hotel

The Guest House / Hotel accommodation charges will have to be paid directly by the participant at the time of check-out.

Payment Details:  
Registration Fee: Rs.2500/-

DD No/NEFT ..... Dated.....

For further details please contact :

Chief Executive Officer  
Biotech Park

(Near Biotech Square) Sector 'G' Jankipuram,  
Kursi Road, Lucknow-226 021, UP (INDIA)

Tel: +91-522-2365050/4012091-Ext.104

Telefax: +91-522-4012081

Email: [bic@biotechpark.org.in](mailto:bic@biotechpark.org.in)

Website : [www.biotechpark.org.in](http://www.biotechpark.org.in)

## Workshop Contents

Bioinformatics and Application

Computational Biology

Biological Databases

Evolutionary Bioinformatics

Protein Structure Prediction

Introduction to Drug Designing

Biomarker Discovery

RNAi Technology

Biotech Park, Lucknow

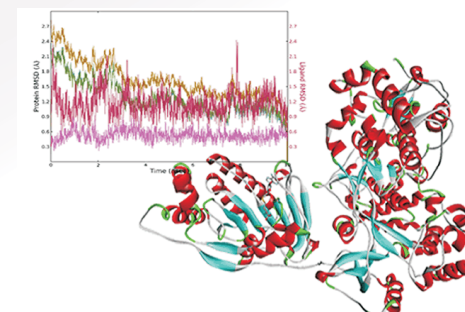
Where Cutting Edge Science Prospers



Workshop On

Recent Trends in Bioinformatics  
& Computational Biology: An Introduction

September 07- 09, 2016



Sponsored By

Department of Biotechnology  
Govt. of India

Organised By

Biotech Park, Lucknow



## About the Biotech Park, Lucknow

The Biotech Park, Lucknow, located in the city of Nawabs, decorates Lucknow with a futuristic state-of-the-art facility for biotechnology-led enterprises. The Park was set up jointly by the Department of Biotechnology, Govt. of India and Department of Science & Technology, Govt. of Uttar Pradesh in the year 2002 and became fully functional in the year 2007. The mission of the Biotech Park is to develop knowledge-based economy in biotechnology, assure benefits of biotechnology to all sections of the society and promote entrepreneurship in biotechnology-based industry. The Park is well equipped with modular laboratories, suitably accredited analytical services, bioextraction and processing facility, and meeting and conference facilities in serene and academic ambience.

## The Workshop

Bioinformatics- a combination of biology, mathematics and computer science- is an emerging area of science. Biological research that earlier used to start in laboratories, fields and plant clinics now begins at the computational level using computers for (in-silico) analysis of the overwhelming data, experiment planning and hypothesis development. The various genome projects are generating, with increasing ease, vast gigabases of DNA sequences, which have stimulated the development of high-throughput assays to provide comprehensive post-genomic analysis. Computational biology is the science of using biological data to develop algorithms which, in turn, are used in deciphering the structure, function and interrelationship of various biological systems.

Application of various bioinformatics tools in biological research enables storage, retrieval and annotation of genomic information and, with phylogeny, molecular modeling and visualization of results, promotes better understanding of biological systems in fullness. It also plays an important role in understanding the host-pathogen interaction, which in turn, helps in disease diagnosis.

## The Workshop Aims:

To familiarize researchers and students with basics of Bioinformatics and its application.

The workshop would cover the following aspects:

I) Current advances in biological databases, evolutionary bioinformatics, protein structure prediction and gene prediction.

II) In-silico primer designing, biomarker discovery, gene silencing using RNAi technology, preparation of lead molecules for drug designing and various tools and techniques used for the same.

The participants of the workshop would be accessing online resources of macromolecule libraries, sketching chemical compounds and building 3D molecules and drug designing. They would also learn about prediction and analysis of properties of gene, protein and compounds, and structure prediction, visualization and analysis of biomolecules. The practical knowledge gained through this workshop is expected to help them in enhancing their skills in utilizing bioinformatics tools for their application in basic and industrial research.

## Registration Fee

Rs. 2,500/- per participant. The registration fee includes lectures/presentation handouts, stationary, working lunch and tea. Fee is to be paid through bank draft drawn in favour of "CEO, Biotech Park, Lucknow" or by online NEFT (National Electronic Funds Transfer):\*\*

**Bank Name:** Indian Overseas Bank

**Branch Address:** Sector-G, Jankipuram, Kursi Road, Lucknow

**Account No. :** CA-68 (179202000000068),

**IFSC code:** IOBA0001792,

*\*\*It is mandatory to enclose the online transaction printout of successful NEFT transfer for verification.*

Completed registration form along with the fee should reach CEO, Biotech Park on or before **September 2, 2016.**

## Accommodation

Persons desiring hotel accommodation are advised to book their accommodation directly. For Guest House accommodation contact us by E-mail or by phone. Name of some nearby hotels:

- Taj Residency ([www.vivanta.tajhotels.com](http://www.vivanta.tajhotels.com))
- Gemini Continental ([www.geminicontinental.com](http://www.geminicontinental.com))
- Hotel Sagar International ([www.hotelsagar.com](http://www.hotelsagar.com))
- Hotel Clarks Avadh ([www.clarksavadh.com](http://www.clarksavadh.com))
- Sapna Clarks Inn ([www.clarksinn.in](http://www.clarksinn.in))
- Vijay Paradise ([www.vijayparadise.com](http://www.vijayparadise.com))

**For any queries please contact us:**

**Contact person:**

Dr. Sunil Kumar

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**Mobile:** 09198339444

**E-mail:** [bic@biotechpark.org.in](mailto:bic@biotechpark.org.in)