

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 accommodation charges will have to be paid directly by the participants to the Guest House/ Hotel.

Payment Details :
Registration Fee : Rs.

DD No Dated.

For further details please contact :

Chief Executive Officer
Biotech Park
Sector-G, Jankipuram, Kursi Road,
Lucknow 226 021, U.P.
Tel: +91-522-4012091, 2365050
Telefax: +91-522-4012081
Email: srp@biotechpark.org.in
Website: <http://www.biotechpark.org.in>

Workshop Contents

Biological Database

Phylogentic Analysis

Computer-aided Drug Design

Molecular Modeling

Big Data Analytics

Introduction to NGS

Biotech Park, Lucknow

Where Cutting Edge Science Prospers



Workshop On

*Big Data Analytics:
Introduction & Challenges in
Agriculture & Healthcare*

January 09 - 11, 2019



Sponsored by

Department of Biotechnology
Govt. of India

Organized by

Biotech Park, Lucknow

About Biotech Park, Lucknow

Biotech Park, Lucknow, located in the city of Nawabs, decorates Lucknow with a futuristic State-of-the-art facility for biotechnology-led enterprises. It is the only functional biotechnology park in North India, serving the State of Uttar Pradesh to bring biotechnology as a way of cultivating crops, living a healthy life and enriching skills for boosting the biotech industry. The Park was set up jointly by the Department of Biotechnology, Govt. of India and Department of Science & Technology, Govt. of Uttar Pradesh. In a short time, it has fulfilled not only the dreams the country had in 2002 when Lucknow was declared as "Biotechnology City", but has also enabled the State to provide a platform for the "Make in India" mission.

About the Workshop

The advances of genomics, sequencing, and high throughput technologies have led to the creation of large volumes of diverse datasets of significance in Systems & functional biology. Recent advances in Bioinformatics have proved to be especially helpful in analyzing these big datasets that lead to better understanding of the disease. Big Data refers to the collection of data sets whose scale, diversity and complexity require new architecture, techniques, algorithms and analysis to manage it. Big Data in the context of agriculture refers to new means of collecting and analyzing data generated from the farm to the end consumer. Big Data Analytics in agriculture applications provide a new insight to give advance weather decisions, improve yield productivity and avoid unnecessary cost related to harvesting, use of pesticide and fertilizers.

Big Data in health informatics can be used to predict outcome of diseases development and epidemics, improve treatment and quality of life, and prevent premature deaths. It is very useful not only in clinical medicine for diagnosis/detection but also in epidemiological research as the Big Data will provide huge amount of data. Big Data has a great potential changing the agriculture and healthcare outlook such as in crop management, improved yield, patients personalized care and their safety management, treatment efficiency, improvement in clinical outcomes and drug discovery.

This workshop would be based on various bioinformatics tools and databases that are used in Big Data Analytics, An introduction to Next Generation Sequencing, Phylogentic Analysis, Molecular Modeling, Computer-aided Drug Designing.

The Workshop Aims:

To familiarize researchers and students with advances in Bioinformatics tools and their application in Big Data Analytics

The workshop would cover the following aspects:

- I. Recent advancement in Big Data.
- II. Overview of tools & software used for Big Data Analytics with reference to Genome sequence analysis, Introduction to NGS, Phylogentic Analysis, Molecular modeling and Computer-aided Drug Designing.

The participants of the workshop will be accessing online and offline bioinformatics resources for genome sequence analysis, analysis of omics data, molecular modeling etc. The practical knowledge gained through this workshop will help in enhancing their skills in application of these tools in basic and industrial research.

Registration Fee:

Rs 2,500/- per participant. The registration fee includes Lectures/presentation handouts, stationary, lunch and tea. Fee is to be paid 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*

Complete registration form along with the fee should reach, CEO, Biotech Park on or before January 2, 2019.

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)
- Gemini Continental(www.geminicontinental.com)
- Hotel Sagar International (www.hotelsagar.com)
- Hotel Clarks Avadh (www.clarksavadh.com)
- Sapna Clarks Inn (www.clarksinn.in)
- Vijay Paradise (www.vijayparadise.com)

For any queries please contact us:

Contact person:

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