

**Virtual Workshop & Hands on Training**  
on  
**“Bioinformatics Approaches**  
for  
**Data Analysis and Research”**  
**August, 12-14 2021**

**Organized by,**  
**Department of Biotechnology**  
**Jaypee Institute of Information Technology**  
**Noida - 62**

**Conveners**  
**Prof. Pammi Gauba**  
**Prof. Rachana and Dr Shazia Haider**

### **About JIIT**

JIIT's state-of-the-art, environmentally conditioned campus comprises smart buildings with Wi-Fi connectivity covering the Academic Block, Business School cum Research Block, Faculty Residences, Student Hostels and Annapurna. Well equipped modern laboratories and an intellectually stocked Learning Resource Centre with books and E-Resources provide a pleasant and stimulating ambience.

To become a Center of Excellence in the field of IT & related emerging areas education, training and research comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management.

### **About The Department**

The scope of biotechnology is never ending as the power to alter life has just seen its beginning. The field of biotechnology is steadily growing in India – we are among the top 12 destinations for biotechnology education in the world, and hold nearly 3% share in the global Biotechnology industry.

The Department of Biotechnology at JIIT, NOIDA, established in 2002, remains committed to provide innovative research-informed teaching and learning, and vibrant R & D environment. Faculty with rich research exposure in academia and industry both in India and abroad contributes to the department academic core.

## About the Sessions

### Day 1: Biological Data Analysis

#### Session I

1. Dr Mohammad Askandar Iqbal, Department of Biotechnology, JMI, New Delhi  
Title: “**Bioinformatics and Big Data Analysis in Cancer Research**”
2. Dr. Arun Kumar Krishnan, Assist. Prof., DBS, IISER Berhampur, Odisha  
Title: “**Comparative and Evolutionary Genomics Approaches: unexpected discoveries and beyond**”

#### Session II: Hands on Training: “**R for biologists**”

By Dr. Kalaiarasan Ponnusamy, Young Scientist, NCDC, New Delhi, India

### Day 2: Bioinformatics as a Tool for the Structural Analysis of Proteins

#### Session I

1. Prof. Samudrala Gourinath, SLS, JNU, New Delhi  
Title: “**Corona Virus : Structure and Drug Development**”
2. Dr. Kalaiarasan Ponnusamy, Young Scientist, NCDC, New Delhi, India  
Title: “**Computational Modeling of Protein**”

#### Session II: Hands on Training: “**Structural Bioinformatics**”

By Dr. Kalaiarasan Ponnusamy, Young Scientist, NCDC, New Delhi, India

### Day 3: Introduction to Network analysis in Systems Biology

#### Session I

1. Dr. Md. Zubair Malik, Young Scientist, SCIS, JNU, New Delhi, India  
Title: “**Computational Study of Complex Biological Data Analysis**”

#### Session II: Hands on Training: “**Microarray Data Analysis**”

By Dr. Md. Zubair Malik, Young Scientist, SCIS, JNU, New Delhi, India

## Details

Registration fee: -

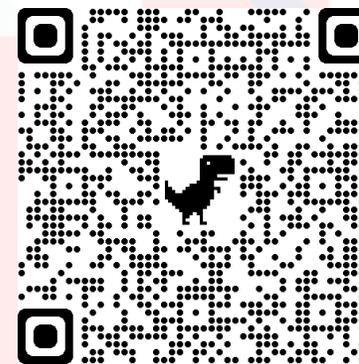
Students/Research Scholars/Faculty/Scientists/Participants from Industry:  
Rs.500

Account Details:

Bank A/c Name	Jaypee Institute of Information Technology
Bank Name	ICICI Bank
Account no.	JITWORKSHOPBT
Branch Name	CMS Mumbai
IFSC Code	ICIC0000104

For Registration use following options:

Barcode:



Form: <https://forms.gle/GCypATsm8vvWUosYA>

Note: Please keep your own Laptop for Hands on Training.

Participation certificate will be awarded.

## Contact Details

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