

2-Day National Workshop on



"Bioinformatics in the post Covid times"

Organized by
BIF Centre
Department of Biochemistry and Biophysics
UNIVERSITY OF KALYANI
Kalyani, Nadia, WB, India

Date: March 2nd and 3rd, 2023

Venue: APC Hall & E-Classroom, CIRM
building, University of Kalyani

Last Date of Registration: 20/02/2023

Registration Fees: 500 INR

Mode of Payment: SBI Collect

C Prof. Angshuman Bagchi
O Coordinator, BIF
N Department of Biochemistry & Biophysics
T University of Kalyani, Kalyani – 741235
A M: 9051948843 (AB)
C &
T Dr. Dipanjan Guha
S Senior Project Associate, BIF, KU
M: 9433074521 (DG)

Email: bif.workshop23@gmail.com

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Chief Patron

Prof. Manas Kumar Snayal
Hon'ble Vice-Chancellor, KU



Guest of Honour

Prof. Sharmila Sengupta
NIBMG, Kalyani



Director, IQAC

Prof. Nanda Kumar Ghosh
University of Kalyani



**Research Fellow for the Human
Gene Mutation Database**

Dr. Matthew Mort
University Hospital of Wales



Patron

Prof. Goutam Paul
Hon'ble Pro-Vice-Chancellor, KU



Dean, PG Faculty of Science

Prof. Keka Sarkar
University of Kalyani



Coordinator, BIF Centre

Prof. Angshuman Bagchi
University of Kalyani



**Senior Lecturer in Computational
Biology**

Dr. Radu Zabet
Queen Mary University of London

Members of BIF Centre



Senior Project Associate
Dr. Dipanjan Guha



Senior Research Fellow
Miss. Sima Biswas



Senior Research Fellow
Ms. Tanusree Mookherjee



Scientific Admin Asst
Miss. Sreekanya Roy

For Flyer, Leaflet & Registration please visit University website at <http://www.klyuniv.ac.in/>

2-Day National Workshop
on
“Bioinformatics in the post Covid times”
2nd – 3rd, March, 2023

Organized by: Bioinformatics Infrastructure Facility

University of Kalyani

REGISTRATION FORM

Name :
(Dr./Prof./Mr./Ms.)

Date of Birth :

Sex :

Position :

Organisation :

Mailing Address :

Telephone :

E-mail :

Academic Qualification :

Area of Research :

Food Orientation : Veg / Non-Veg [Please Strike out the wrong one]

Registration Particulars:

Payment Reference Number :	Date :
Payment method :	Amount :

Approval by appropriate authority *

Signature of Applicant

** Authority may be the Research Guide or HOD for students.
Please send the scanned filled Registration Form along with the
transaction details of registration fees through Email.
The final completed form can be submitted by hand at the registration
desk of workshop
Printout or Xerox copy of this form may be used.

About the Institute

University of Kalyani was established by the Chief Architect of Modern Bengal, the great philanthropist and physician Dr. Bidhan Chandra Roy in the year 1960. The university is situated in a surrounding close to the mother earth covering an area of 400 acres in Kalyani town of West Bengal with national highway (N.H.34) on one side and the river Ganges on the other.

The DBT funded Bioinformatics Infrastructure Facility (BIF), housed in the Department of Biochemistry and Biophysics took its inception in the year 2006 with a view to serve all the Life Science Departments of this university, as well as, the neighboring institutes.

WORKSHOP COMMITTEE

Chief Patron: Prof. (Dr.) Manas Kumar Sanyal

Honorable Vice-Chancellor, KU

Patron: Prof. (Dr.) Goutam Paul

Honorable Pro-Vice-Chancellor, KU

Guest of Honor: Prof. Sharmila Sengupta

NIBMG, Kalyani

Advisors: Prof. Keka Sarkar

Dean, Faculty of Science, KU

Prof. Nanda Kumar Ghosh

Director, IQAC, KU

Convener: Prof. Angshuman Bagchi

Coordinator, BIF, KU

Organizing body: Members of BIF, KU

Address for Communication:

PROF. ANGSHUMAN BAGCHI

Coordinator, Bioinformatics Infrastructure Facility

Department of Biochemistry & Biophysics

University of Kalyani, Kalyani – 741235

PH: 033 2582 3405, M: 9051948843 (AB)

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E-mail: bif.workshop23@gmail.com

DBT Sponsored
National Workshop
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Bioinformatics in post Covid
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2nd – 3rd, March, 2023

Organised by



Bioinformatics Infrastructure Facility
(BIF) Centre

at

Department of Biochemistry & Biophysics

University of Kalyani

Kalyani – 741235

West Bengal

India

Sponsored by



Department of Biotechnology
Ministry of Science and Technology
Government of India

About the workshop

In the last decade, more biology-related information has accumulated than in the preceding two and a half thousand years of the history of science. This new surge of information mostly consists of nucleic acid and protein sequences and their structures. Bioinformatics has emerged as a new field at the interface of informatics and molecular biology in the mid-1980s, with the aim of storing and analysing the huge amount of data provided by DNA sequencing. **Bioinformatics is a multidisciplinary field, involving researchers from different areas of specialty, including (but in no means limited to) physics, chemistry, genetics, molecular biology, mathematics, computer sciences and statistics (i.e. informatics methods) to derive knowledge from computational analysis of experimental biological data statistics.**

The dominance of bioinformatics in viral research had created a milestone in the post Covid times. The exploitation of bioinformatics tools and techniques has successfully predicted viral genomics architecture. Major *in silico* studies involve computer-aided drug design, which have been effectively applied in Covid and post-Covid research methodologies and explored novel information. These would be very needful towards further research on COVID-19 pandemic and essential for vaccine development against SARS-CoV-2, which will save public health.

Organizing this national workshop on “Bioinformatics in the post Covid times” is an attempt to popularise the use of this subject among young students with most common types of analysis by providing lectures and demonstrations of many tools.

Topics to be covered

Studying and visualizing Biological components

- Biological Databases
- Database Searching
- Sequence alignment
- Phylogenetics studies

Eligibility

Faculty members from Universities and affiliated colleges, Scientists and Scholars from R & D Institutes, Professionals from Industries and Biotech companies, Post-Graduates, Under-Graduate and school level students with knowledge in biology are welcome to register for the workshop.

As the numbers of participants are limited strictly to 30, selection will be done on a first come, first served basis.

How to apply

The registration fees for participants are **Rs. 500/-** for all. Interested candidates may register their name by submitting the registration fee through **SBI Collect only**. The procedural details can be seen using the following link.

<https://drive.google.com/file/d/1vfWuDj3uoTqTeiRwVK5amTuv4dJ9sji/view?usp=sharing>

Dully filled registration form (see last page of this brochure) and the transaction details of fees can be sent through email given below. **Selected candidates will be intimated after successful completion of the process.**

Communication Email ID: bif.workshop23@gmail.com

N. B.

- Last date of application by email is **20th February, 2023**.
- The registration fee includes course material, lunch and refreshments.
- Number of participants is limited to **thirty**.

Outside candidates can search for different hotels / guest house near University area. NO ACCOMMODATION WILL BE PROVIDED BY THE AUTHORITY.

Tentative Speaker list

Prof. Sharmila Senguta

National Institute of Biomedical Genomics
Kalyani, West Bengal

Dr. Neelanjana Sengupta

Department of Biological Sciences,
IISER Kolkata, West Bengal

Dr. Matthew Mort

Research Fellow for the Human Gene Mutation Database (HGMD), Institute of Medical Genetics Building, University Hospital of Wales, Heath Park, Cardiff, CF14 4XN

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