

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 acids, their sequences and structures. In this regard, 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 through NGS. **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.**

Organizing this national workshop on “*Genomics through NGS and Bioinformatics with special reference to cancer*” 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.

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 (NH-34) on one side and the river Ganges on the other.

The DBT funded Bioinformatics Infrastructure Facility (BIF), which is the central facility of the university, got a new lease of life in the year 2022 with a view to serve all the Life Science Departments of this university, as well as, the neighboring institutes.

Eligibility

B.Sc. & M.Sc. students, PhD scholars, PDFs, Faculties, Industry personnels

How to apply

Through google link only:

<https://forms.gle/b8JUq3g42F8Qimrd8>

Communication Email ID:

bifcentreku@klyuniv.ac.in

Last date of application: 5th September, 2024.

Number of participants: 50

WORKSHOP COMMITTEE

Chief Patron: *Prof. (Dr.) Amalendu Bhunia*

Honorable Vice-Chancellor, KU

Advisor: *Prof. (Dr.) Keka Sarkar*

Academic Head, S. N. Bose Innovation Centre, KU

Convener: *Prof. Angshuman Bagchi*

Coordinator, BIF Centre, KU

Organizing body: Members of BIF Centre, KU

Address for Communication:

PROF. ANGSHUMAN BAGCHI

Coordinator, Bioinformatics Infrastructure Facility

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DBT Sponsored National Workshop

on

“*Genomics through NGS and Bioinformatics with special reference to cancer*”

Date: 9th to 11th September, 2024

Organised by



Bioinformatics Infrastructure Facility

(BIF) Centre

University of Kalyani

Kalyani – 741235

West Bengal

India

Sponsored by



Department of Biotechnology
Ministry of Science and Technology
Government of India