



Workshop on Analytical Techniques in Biology

Organized by

Department of Life Sciences
Presidency University, Kolkata

Workshop Dates

28th & 29th August, 2024

Venue

Department of Life Sciences
Presidency University (Main campus), Kolkata

Registration Details



Registration: ₹1000/- (for B. Sc/ M. Sc/ B. Tech/ Integrated Masters)



Last date for Registration: 17th August, 2024



Limited seats (~30) selection may be implied if needed



Contact Us



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Presidency University (Main Campus), 86/1 College Street, Kolkata 700073

Workshop Highlights

- **Real time PCR:** Understanding the basic principle of real-time PCR technology and demonstration of the steps involved in setting up of PCR reactions.
- **Fluorescence spectroscopy:** Principle and application of fluorescence spectroscopy in biochemistry and biophysics.
- **Ultracentrifuge:** Operating an ultracentrifuge, sample preparation, and insights into various research applications with demonstration.
- **Chlorophyll fluorimeter:** Demonstration and application of chlorophyll fluorimeter in plant science.

Schedule

August 28th & 29th 2024

DAY 1 (28/08/2024)

10:00 AM - 10:30 AM	Registration
10:30 AM - 11:30 AM	Inauguration
11:30 AM - 12:00 PM	Tea Break
12:00 PM - 02:00 PM	Theoretical session on all four instruments
02:00 PM - 02:30 PM	Lunch Break
02:30 PM - 05:00 PM	Demonstration of Fluorescence spectroscopy & Chlorophyll fluorimeter by respective facilitators

DAY 2 (29/08/2024)

10:30 AM - 02:00 PM	Ultracentrifuge & Real time PCR demonstration by respective facilitators
02:00 PM - 02:30 PM	Lunch break
02:30 PM - 03:30 PM	Interactive session and feedback collection
03:30 PM - 05:00 PM	Valedictory session and certificate distribution

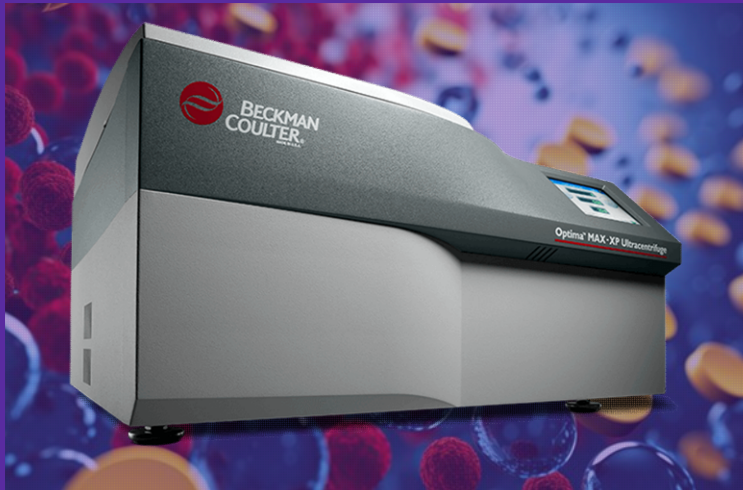
Workshop Instruments



FluoroMax® Plus
Spectrofluorometer



Pocket PEA chlorophyll
fluorimeter



Optima MAX-XP
Ultracentrifuge



CFX Duet Real-Time
PCR System

Funded by:
DBT BUILDER
Govt. of India



Organizing Committee

Chief Patron: Prof. Nirmalya Narayan Chakraborty, Vice-chancellor,
Presidency University, Kolkata

Patron: Dr. Debajyoti Konar, Registrar, Presidency University, Kolkata

Chair: Prof. Prabir Kumar Mukhopadhyay, HoD Life Sciences

Convenors: Dr. Santanu Chakraborty and Dr. Sugopa Sengupta

Treasurer: Dr. Amlan Ghosh

Coordinators: Dr. Aparna Mukhopadhyay, Dr. Amlan Ghosh, Dr. Ayan Das,
Dr. Devrani Mitra, Dr. Kalyan Giri, Dr. M. Ganesan,
Dr. Santanu Chakraborty and Dr. Sugopa Sengupta

Workshop Sessions

Real time PCR

Facilitators: Ipshit Dey and Kalyan Banerjee

Fluorescence spectroscopy

Facilitators: Aparna Boral and Dwaipayan Chaudhuri

Ultracentrifuge

Facilitators: Maitri Singh and Prakash Nandi

Chlorophyll fluorimeter

Facilitators: Karishma Agarwal, Satyaki Biswas, Arkoprovo Dutta and Suman Bhowmick

Support Teams

Registration Desk

Dr. Kalyan Giri, Dr. Ranjana Pal, Madhurima Ghosh, Dwaipayan Chaudhuri
and Sudipta Majhi

Logistics, Food and Refreshment

Mr. Dibyendu Mazumder, Mr. Pintu Roy and Mr. Sanjoy Das