

VIRTUAL WORKSHOP IN ASSOCIATION WITH MAKE-INTERN E-CELL OF IIT-KHARAGPUR

National Level Championship
Association with Makeintern E Cell IIT Kharagpur
Brahmananda Keshab Chandra College, Kolkata

Live Training Section

Topic : Basic Techniques in Molecular Biology
Schedule : November 2021
Registration Fee: 1271/- Excluding 18% GST
Deadline: 31st October

Highlight

- Industry Experts as Trainers.
- Live Sessions
- Software and tools access for 1 year
- Internship certificate with lifetime validity
- Study material access will be for lifetime.
- Weekly quiz to assess their knowledge on that subject
- Live project assignment.

Major Benefits:

- Student will Get 2 Certificate
(i) Makeintern E Cell IIT Event Certificate
(ii) Learntoupgrade Certificate
- Test to be conducted at the end of the Programme to select top 4 students.
- Four Selected students would be participating in finale Round at IIT Campus.

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SPECIMEN COLLECTION

(Adapted from the WHO guidelines on 2019-nCoV):

Specimen type	Collection materials	Transport to laboratory	Storage till testing	Comment
Nasopharyngeal and oropharyngeal swabs	Dacron or polyester flocked swabs*	4 °C	≤5 days: 4 °C >5 days: -70 °C	The nasopharyngeal and oropharyngeal swabs should be placed in the same tube to increase the viral load.
Bronchoalveolar lavage	sterile container*	4 °C	≤48 hours: 4 °C >48 hours: -70 °C	There may be some dilution of pathogen, but still a worthwhile specimen
Tracheal aspirate, nasopharyngeal aspirate or nasal wash	sterile container*	4 °C	≤48 hours: 4 °C >48 hours: -70 °C	Not applicable
Sputum	sterile container	4 °C	≤48 hours: 4 °C >48 hours: -70 °C	Ensure the material is from the lower respiratory tract
Tissue from biopsy or autopsy including from lung	sterile container with saline	4 °C	≤24 hours: 4 °C >24 hours: -70 °C	Autopsy sample collection preferably to be avoided
Serum (2 samples – acute and convalescent)	Serum separator tubes (adults collect 3-5 ml whole blood)	4 °C	≤5 days: 4 °C >5 days: -70 °C	Collect paired samples: • acute – first week of illness • convalescent – 2 to 3 weeks later

*For transport of samples for viral detection, use vTM (viral transport medium) containing antifungal and antibiotic supplements. Avoid repeated freezing and thawing cycles.

E-Cell 2k21-22
(IIT Kharagpur Event)
in association with www.makeintern.com

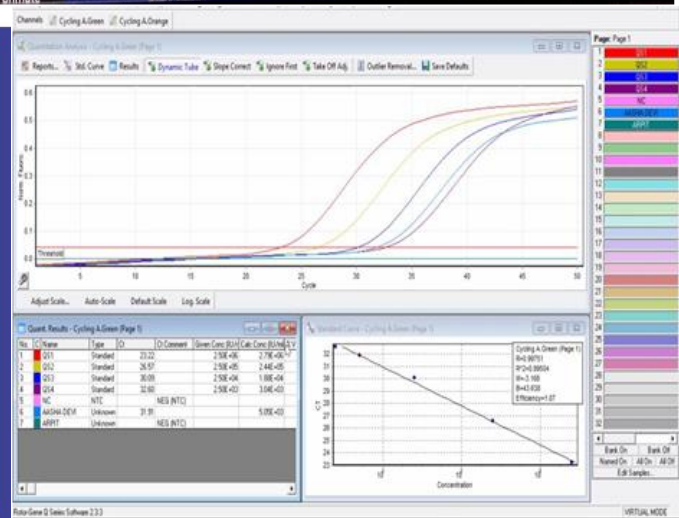
Certificate of Excellence

Presented To

Brahmananda Keshab Chandra College, Kolkata

We are Pleased to appreciate your outstanding contribution in recognition being Training Center for Program on Basic Techniques in Molecular Biology Program by Makeintern & E-Cell IIM Calcutta held from 23rd December to 8th January 2022.

(Hardeep Singh Puri)
 Director
 Makeintern.com



Objective of the Program:

The program was designed to impart detailed knowledge to students regarding the basic techniques in Molecular Biology which included PCR, Sequencing, cloning etc. with a view to make them ready for future research or biotechnology based industries.

Program Details:

This workshop was held in the on-line mode. It was arranged in association with Make-Intern, E-Cell Unit of IIT Kharagpur on “Basic Techniques in Molecular Biology” by the IQAC and Department of Zoology. The flyers for the Programme were distributed in November 2021 and the work shop spanning 18 hours was held from 23.12.2021 to 8.1.2022 in the zoom platform. 14 participants from the department of zoology of Brahmananda Keshab Chandra and other colleges and Universities in Kolkata participated in this online event organised by the “make-intern-E-Cell” unit of IIT, Kharagpur

where Brahmananda Keshab Chandra College served as the zonal centre. Dr. Neelakshi Sarkar served as the faculty co-ordinator and Sarthak Mukherjee (Alumnus) and Shubhagata Halder (Sem V, hons) served as student co-ordinators. Feed-back from participants were taken in Google forms. All participants faced an on-line exam scheduled in January, 2022. Three students from semester V of this department secured the first, second and third ranks. They were felicitated with certificates of Merit. These top 3 students automatically entered the National Championship with an opportunity to visit IIT, Kharagpur. Certificates of Participation were given to all participants.

Outcome of the Program:

At the end of the program, the students received sufficient theoretical knowledge regarding the basic techniques of molecular biology. This will help them tremendously in the future if they opt for research or jobs in the field of biotechnology. Nevertheless the detailed knowledge that they gathered during this course will help them when they compete in various national and state level examinations (NET, SET, JAM etc.) as well as exams in their curriculum.

Future Prospects:

In future we plan to impart practical demonstrations and training on such basic techniques to further enhance their learning process.

BRAHMANANDA KESHAB CHANDRA COLLEGE Student List ...

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