

## ***A Brief Activity Report***

on

**“Hands-on Training Program on Techniques of Cell Biology”**

**Organized by**

**Department of Zoology and IQAC, City College  
102/1 Raja Rammohan Sarani, Kolkata - 700009.**



- ❖ **Date of Training Program: 16/04/2024**
- ❖ **Time and Place: 11:00 AM onwards at Department of Zoology, General Laboratory (3 rd Floor), City College, Kolkata**
- ❖ **Number of Participants:**
  - Students: 18 [Semester – 1; MZOO vide CCF- 2022 NEP, Maharaja Manindra Chandra College]**
  - Teachers: 8 [Maharaja Manindra Chandra College]**



# HANDS-ON TRAINING on some basic CELL-STUDY Techniques

*Jointly Organized by*

**Department of Zoology and IQAC,  
City College**

**102/1 Raja Rammohan Sarani  
Kolkata – 700 009**

**Date : 16<sup>th</sup> April, 2024 (Tuesday)**  
**Time : 11 am onwards**  
**Venue : Zoology General Laboratory,  
3<sup>rd</sup> Floor, City College, Kolkata**

**Chief Patron : Dr Sital Prasad Chattopadhyay, Principal,**  
**Advisors : Dr Mahitosh Gayen, Vice-Principal  
Dr. Arnab Chaudhuri, IQAC Co-Ordinator**  
**HOD, Zoology : Dr. Debasish Karmakar**  
**Joint Coordinator : Dr. Supriti Sarkar, Dr. Saiful Anam Mir**  
**Resource Persons : Dr. Arkadeep Mitra, Dr. Soumen Roy**

## ORGANISING COMMITTEE

**Registration : Ms. Dona Banerjee, Dr. Indranil Roy & Mr. Pintu Hazra**  
**Technical : Dr. Pramita Garai & Dr. Pubali Mitra**  
**Refreshment : Dr. Krishnendu Das & Mr Rajpat Ram**



Debasish Karmakar <debasishk@citycollegekolkata.org>

## Regarding Workshop on Cell Biology

3 messages

Sat, Apr 6, 2024 at 11:44 AM

Dr. Saikat Roy <saikatroy30@gmail.com>  
To: Debasish Karmakar <debasishk@citycollegekolkata.org>

To:  
The H.O.D.,  
Department of Zoology,  
City College,  
Kolkata 700009

Respected sir,  
This mail is for your kind notice that students of Semester I (under CCF) of Department of Zoology of Maharaja Manindra Chandra College are in urgent need of an Workshop on Cell Biology to learn some of the Practical works newly introduced in the CC1 paper of CCF syllabus, 2023. Our department is temporarily unable to arrange them due to lacking infrastructure and other interim issues.

In this regard, we request your kind self to arrange the Workshop in your esteemed Institution and seek your help and cooperation to allow us to attend the workshop. Our students will be more than benefitted if they get the opportunity to attend the Workshop in the apex institutions of yours.

Your response in this matter is deeply anticipated. Thank you. Yours faithfully,

Dr. Saikat Roy,  
Department of Zoology,  
Maharaja Manindra Chandra College,  
Kolkata 700003

Sat, Apr 6, 2024 at 6:16 PM

Debasish Karmakar <debasishk@citycollegekolkata.org>  
To: "Dr. Saikat Roy" <saikatroy30@gmail.com>

Dear Dr Roy,  
It will be a great pleasure for the Department of Zoology, City College, Kolkata, to arrange a Hands-on Training Programme on different practical techniques of Cell Biology as per CU CCF-2022 (NEP) curricula for the students of Semester 1 of your college. The department agrees in principle with your proposal and will sincerely look after the matter for its materialization and will get in touch, shortly.

Thanks, in anticipation.

Yours truly,

Sd/-  
HoD Zoology  
City College  
102/1 Raja Rammohan Sarani,  
Kolkata - 700 009  
{Quoted text hidden}

Sat, Apr 6, 2024 at 10:22 PM

Dr. Saikat Roy <saikatroy30@gmail.com>  
To: Debasish Karmakar <debasishk@citycollegekolkata.org>

Thank you for your response.  
{Quoted text hidden}





# CITY COLLEGE

Affiliated to the University of Calcutta  
102/1, Raja Rammohan Sarani, (Amherst Street)  
Kolkata - 700 009, Phone : 033 2350 1565, Office : 033 2360 7463  
E-mail : principal.citycollege@gmail.com  
Website : www.citycollegekolkata.org  
GST No. 19CALC00619D1DE

Allowed for  
organisation of  
Hands-on Training  
program on 16/04/24  
Se  
09/04/2024

Ref. No. ....

Date 09/04/2024

To  
The Principal  
City College  
102/1, Raja Rammohan Sarani  
Kolkata - 700 009

Sub: Intimation & seeking permission to organize a "Hands-on Training Program on Techniques of Cell Biology" on 16/04/2023 (Tuesday)

Dear Sir,

In reference to the email received from Dr Saikat Roy, In-Charge, Department of Zoology, Maharaja Manindra Chandra College, Kolkata - 700 003, dated 06/04/2024, 11:44 AM (attached herewith), requesting to organize a "Hands-on Training Program on Techniques of Cell Biology", obeying CU curriculum of Paper DSCC - 1; Cell Biology, Semester 1; ZOOM/MZOO, vide CCF - 2022(NEP), by the Department of Zoology, City College, Kolkata - 700 009, for the academic benefit of their students.

In this connection, the Department of Zoology, City College, Kolkata, is willing to organize such a training program for the students of Semester - 1, MZOO (MDC); CCF - 2022(NEP) of Maharaja Manindra Chandra College, Kolkata, and like to intimate you and seeking your kind permission to organize the "Hands-on Training Program on Techniques of Cell Biology" on 16/04/2024 (Tuesday) from 11:00 AM onwards at Zoology General Laboratory (3<sup>rd</sup> Floor), City College, Kolkata.

All sorts of cooperation in this regard from your side will be highly solicited and oblige.

Thanks, in anticipation.

Yours truly,

  
09/04/2024  
Dr Debasish Karmakar

Head, Department of Zoology  
City College, Kolkata-700009



## **Brief report**

A one-day “Hands-on Training Program on Techniques of Cell Biology” obeying CU curriculum of paper DSCC-1P for Semester 1 students of MZOO, vide CCF-2022 was organised by Department of Zoology, City College.

This one-day training program included both lecture and demonstration session. Dr Supriti Sarkar and Dr Saiful Anam Mir coordinated the entire session. Some of the practical works newly introduced in the CC-1(DSCC-1P paper) of CCF syllabus of 2022 were demonstrated by Dr Arkadeep Mitra and Dr Soumen Roy of City College.

Trypan Blue Cell Viability Assay which has enormous significance in research world and is used to determine the number of viable cells present in a cell suspension, was demonstrated in this training program. Training on the use of Haemocytometer was provided to each and every student.

Isolation of Bone Marrow Cells from Rat/Mouse and Giemsa staining was also taught. This knowledge is used in stem cell researches which become an important field of study for molecular, cellular, and clinical biology as well as pharmaco-toxicology.

Students were very much attentive and showed their interest to learn the cell biology techniques. Though one day hands-on training program is not sufficient to understand the cell biology techniques for 1st Semester under graduate students, however, this programme was attempted to grow their primary interest by giving demonstration on few cell biology techniques. The training program was very successful academically and highly beneficial for students.



