

2018-19  
(23) (99)

To.  
The Principal,  
Bhavan's Vivekananda College,  
Sainikpuri, Secunderabad.

31.01.2019

Sir.

**Sub: Permission to students to attend half-day training course in CCMB by M.Sc Biochemistry -Reg.**

The Center for Cellular and Molecular Biology (CCMB), Hyderabad is conducting a half day training course in Animal cell culture on 12<sup>th</sup> February, 2019. Students of M.Sc Biochemistry are having this technique in their curriculum and are interested to attend the training.

I request you to permit students of M.Sc Biochemistry Sem IV (10 students) to attend this training program at CCMB, Hyderabad

Thanking you

Yours sincerely,

*Dr. A. Sai Padma*

Dr. A. Sai. Padma  
Head. Dept of Biochemistry  
BVC.

*31/1*

**Training Courses in Animal Cell Culture at CCMB****1) Short term course: 10/batch, 4-6 batches/yr**

**Duration:** 5 days      **Fee:** Rs.15, 000/- (excluding accommodation)

**Course Start Form:** 07-01-2019 to 11-01-2019

**Mode of Payment:** Demand Draft drawn in favour of "DIRECTOR, CCMB" payable at "HYDERABD".

**Eligibility:** Interested students/faculty/Researchers from Universities/Institutes/Industry

**Lectures on:**

- Importance of Cell/Tissue culture and applications
- Design & equipment description
- Importance of sterility
- Do's & don'ts in Tissue culture lab

**Demos:**

- Maintenance of cultures (different types)
- Types of cultures (adherent and suspension, primary cells, etc)
- Transfection and electroporation
- Cell fusion techniques
- Determination of cell growth and viability
- Demonstration of protein expression by transfection and immunofluorescence
- Mycoplasma testing
- Primary cells (macrophages)
- MTT Assay
- Use of hypoxia chamber/IR light

**Hands-on:**

- Preparation of media
- Sub culturing of cells, cryopreservation and revival
- Cell count and viability (trypan blue)
- Determination of confluency

**Instruction for Online Application:**

Please keep the DD ready before applying online.

On successful registration the login credentials will be sent to your registered email id to download the application form in PDF.

The printout of application along with the DD should be sent to the below address on or before 2nd Jan 2019:

**Business Development Cell,**  
Innovation Hub, Medical Biotechnology Complex,  
CCMB Annexe II,  
Uppal Road,  
Hyderabad-500039,  
Telangana.

Last date for apply online: 26th December 2018.

[Apply Online](#) [Download Submitted Application](#)

**2) Demonstration for students: 10/batch**

**Duration:** Half day      **Fee:** Rs. 500/- head

Dates will be announced as and when requests are received

Eligibility: Interested students.

**Demo/lecture session:**

- Importance of Tissue culture
- Design & equipment description
- Importance of sterility
- Maintenance of cultures (different cell types)
- Do's & don'ts in Tissue culture lab
- Applications of Cells/Tissue culture
- Freezing and revival of cell stocks
- Counting cell number

Interested candidates may contact:

[sdp@ccmb.res.in](mailto:sdp@ccmb.res.in)

**Shri B.V.V.**  
**Pardhasaradhi**

[bvv@ccmb.res.in](mailto:bvv@ccmb.res.in)

The course will be conducted in batches, based on applications received.