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# VIDYAPEETH DEEMED TO BE UNIVERSITY





# CENTRAL INTER - DISCIPLINARY RESEARCH FACILITY SRI BALAJI VIDYAPEETH

(Deemed - to be - University) Pillaiyarkuppam, Puducherry

### **Information Brochure**

Certificate Course on

## **Basic Mammalian Cell Culture for Biomedical Research (BMC-BMR)**







SBV Credits 3 Days

Participants

Fee
5000
Rupees

JAN 10-12 2020

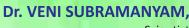
Venue CIDRF SBV

Concession available for internal registrations

#### **Resource Persons Include**



Dr. Agiesh Kumar .B
Deputy Director,
Central Inter-Disciplinary Research Facility
Sri Balaji Vidyapeeth
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Puducherry-607402



Scientist
Central Inter-Disciplinary Research Facility
Sri Balaji Vidyapeeth
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**Dr. ANITHA T. S,**Scientist
Central Inter-Disciplinary Research Facility
Sri Balaji Vidyapeeth
Deemed to be University
Puducherry-607402

#### Dr. SAM VIJAY KUMAR J

Scientist Central Inter-Disciplinary Research Facility Sri Balaji Vidyapeeth Deemed to be University Puducherry-607402



#### **Course Objectives**

- This course aims to introduce, teach & train participants in basic mammalian cell culture.
- Students will benefit by having an addition to their repertoire of skills, which would be beneficial in execution of their research projects.
- Faculty will benefit by learning the fundamentals and specialized knowledge in mammalian cell culture, aiding them design experiments with additional arms of mammalian cell culture.

#### **Course Outcome**

At the end of the course the participants would be able to:

- Independently handle of mammalian cell cultures
- Plan and Prepare reagents for cell culture
- Understand basic techniques in cell culture

#### **Benefit for Participants**

 This course would enable participants to have exposure on mammalian cell culture in a hands-on mode. Students would get an updated vignette on aspects of mammalian cell culture. Faculty would get specified orientation so mammalian cell culture could be incorporated in their research component. Overall this course would equip students and faculty involved in biomedical research to conduct independent mammalian cell culture.

#### **Topics Include**

- Initiation of Cell Culture
- Maintenance of Cell Culture
- Trypsinization & Passaging
- Cryopreservation of Cells
- Reviving of Preserved Cells
- Phase Contrast Microscopy
- Stereo Microscopy
- Sterilization & Asepsis
- Reagent Preparation
- Cell Doubling & Counting

#### Course fee Includes

Lectures, Practical Sessions, Discussion, Pre & Post Evaluation, Certificate, Lunch, Tea and Refreshments

For Registration contact

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CIDRF Office, SBV