

SRI BALAJI

ACCREDITED BY NAAC
WITH 'A' GRADE



VIDYAPEETH

DEEMED TO BE UNIVERSITY
DECLARED U/S 3 OF THE UGC ACT, 1956



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)



2

**SBV
Credits**

3

Days

4

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

Dr. VENI SUBRAMANYAM,

Scientist
Central Inter-Disciplinary Research Facility
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Dr. ANITHA T. S,

Scientist
Central Inter-Disciplinary Research Facility
Sri Balaji Vidyapeeth
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Dr. SAM VIJAY KUMAR J

Scientist
Central Inter-Disciplinary Research Facility
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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

Dr. Sam Vijay Kumar J,
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9444984714

or

CIDRF Office, SBV