



SRI BALAJI VIDYAPEETH (SBV)

(Deemed to be University)
U/S 3 of UGC Act 1956
Puducherry-607402

This document contains the details of the
Certificate course on Conventional and Real-Time PCR Technology
conducted by Centre for Interdisciplinary Research Facility (CIDRF),
Sri Balaji Vidyapeeth, Deemed to be University.

REGISTRAR
SRI BALAJI VIDYAPEETH
(Deemed University u/s 3 of UGC ACT, 1956)
Accredited by NAAC with 'A' Grade
Pillaiyarkuppam, Pondicherry - 607 402.

(This document is attested from pages 1- 8)



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Criteria 1

Metrix 1.3 : Curriculum Enrichment

1.3.2

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Details of Certificate Course on Conventional and Real-Time PCR Technology

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NAAC 2020



SRI BALAJI VIDYAPEETH
(Deemed to be University Accredited with "A" Grade by NAAC)
Central Inter-Disciplinary Research Facility (CIDRF)



Second Floor, MGMCRI College Block, SBV Campus, Pillaiyarkuppam, Puducherry - 607 402.
e.mail : info@cidrf.res.in

**Certificate Course on Conventional and
Real-Time PCR Technology**

(One SBV Credit hour Course)

SHORT TERM INTER-DISCIPLINARY COURSE

CONDUCTED BY SRI BALAJI VIDYAPEETH

DATE: January 4 & 5, 2020

VENUE: CIDRF, SBV, Puducherry

Course on Conventional and Real-Time PCR

The course will introduce the participants to learn on Conventional and Real Time PCR in theory and practice to develop the competence needed to perform the technique in their own laboratory for research and diagnosis.

The course includes:

Conventional PCR: Introduction to PCR, Types of PCR, Primer Designing, Reaction setup, Agarose Gel Electrophoresis, Documentation.

Real-Time PCR: Introduction to RT-PCR and its application, Reaction setup, Gene Expression Analysis, SNP analysis, Statistical Interpretation and Troubleshooting.

Aspirants eligibility

Faculty/PhD Scholars/PG students of Medical/Biomedical departments who wish to apply Conventional and Real-Time PCR techniques for research & diagnostics.

Resource persons

Dr. A. Jayamuruga Pandian

Deputy Director, CIDRF
Sri Balaji Vidyapeeth, Puducherry

Dr. B. Agiesh kumar

Deputy Director, CIDRF
Sri Balaji Vidyapeeth, Puducherry

Dr. T.S. Anitha

Scientist, CIDRF
Sri Balaji Vidyapeeth, Puducherry

Dr. Arunkumar Dhayalan

Assistant Professor
Department of Biotechnology
Pondicherry University, Puducherry

Dr. Arun Kumar Tharkeshwar

Scientist
VIB-KU Leuven - Center for Brain &
Disease Research, Belgium

Mr. M. Vignesh, Ms. R. Rahini, Research Scholar, CIDRF, SBV

Knowledge Partners : Veda Scientifics Chennai, India

Registration Details

SBV Students and Faculties- Rs.3000/-

Outside Participants- Rs.5000/-

Mode of payment: Payment should be made online through NEFT/RTGS to

A/C Name : SRI BALAJI VIDYAPEETH

A/C No : 6429810198

Bank : Indian Bank

Branch : Pondicherry Main Branch

IFSC code : IDIB000P042

For more details contact :

Dr. A. Jayamuruga Pandian

ajmpandian@gmail.com

Ph : 9500090109

Dr. B. Agiesh Kumar

agiesh.b@gmail.com

Ph : 8220028031

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**CERTIFICATE COURSE IN CONVENTIONAL AND
REAL-TIME PCR TRECHNOLOGY**

COURSE CONTENT



SRI BALAJI VIDYAPEETH

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Central Inter-Disciplinary Research Facility (CIDRF)



Second Floor, MGMCRI College Block, SBV Campus, Pillalayaruppam, Puducherry - 607 402.
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Syllabus

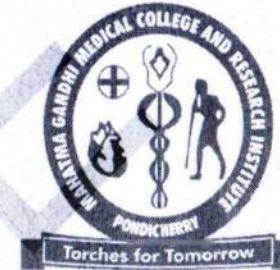
- Introduction to PCR and optimization of PCR parameters
- Basics of primer design and PCR applications
- Agarose gel electrophoresis & gel documentation
- Group discussion on the clinical and more applications of PCR
- Introduction to Real time PCR: Principles and Chemistries, SYBR green and TaqMan
- Quantitation: absolute, relative and relative standard curve
- Applications of Real time PCR: (Diagnostics and Clinical Research)

TL Strategy

- Lectures
- Demonstrations
- Hands-on training
- Group Discussion

Practicals

- Demonstration of the PCR machine
- Setting up a PCR Reaction, Hands-on training and trouble shooting
- Performing agarose gel electrophoresis
- Discussion of the results and Good PCR laboratory practice
- Sample preparation and setup of real time PCR
- Data analysis, Statistics and Trouble shooting of real time PCR



Sample

Certificate of Completion

This is to Certify that Mr/Ms..... with UIN of

..... has successfully completed a

CERTIFICATE COURSE IN CONVENTIONAL AND REAL TIME PCR TECHNOLOGY

conducted by Mahatma Gandhi Medical College and Research institute at Sri Balaji Vidyapeeth,

Deemed-to-be university on.....

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Course Coordinator

Principal

Vice-Chancellor



CENTRAL INTER-DISCIPLINARY RESEARCH FACILITY (CIDRF)
Pondicherry



CERTIFICATE COURSE ON CONVENTIONAL AND
REAL TIME PCR TECHNOLOGY
45 January 2020

Enrolled list of students for Certificate Course in Conventional and real-time PCR technology

S. No	Name	Designation	External/Internal	Contact No.	Mail ID	Payment mode & Date	Reference Number with date	Signature
1.	Dr. Sudar Codi	Professor, SBV	Internal	9894647381	sudarcodi@gmail.com	online 4/1/20	000391513	R. Sudar Codi
2.	Dr. Barathane	SBV	Internal	9894438659	barathane20@gmail.com	"	000391513	D. Barathane
3.	Dr. Nandhini Saravanabavan	PG, SBV	Internal	9443534537	nandhinisaravanabavan@gmail.com	"	000391513	S. Nandhini
4.	Dr. Ravindra Pratap	Lecturer Research Scholar Pathology, JIPMER	External	9483241158	pratapravindra960@gmail.com	Online	IRK9795489; 23-12-2019	R. M.
5.	Daisy Precilla	Research Scholar	Internal	8438505803	daisyprecilla75@gmail.com			D. Precilla
6.	Dr. Sabari Priya. E	Assistant Professor, MGMCRI	Internal	8111058800	priyasaban83@gmail.com	DD	DD number- 988308; date: 22-07-2019	ABSENT

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Dr. A. UMAMAHESWARI

Associate Professor
Tagore Medical college & hospital

Dr. A. Uma

7.	Dr. Umamaheswari	Assistant Professor. Sathya Sai Medical college	External	7402427155	leeuma6@gmail.com	Online	197559786	S. Uma
8.	Dr. U.R Anoop		External	9487301370	uranoopgroup@gmail.com			ABSENT

Central Inter-Disciplinary Research Facility
Bhama Gandhi Medical College & Research Institute Campus
Pillayar Kovilam, Pondy-Cuddalore Main Road
Puducherry-607 402

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