#### About the Trust

**Shri Ramkrishna Seva Mandal** is a registered society and a public trust established in the year 1954-55, managing more than 27 academic institutions. The trust believes in providing scientific and value-based education by maintaining pace with the ever increasing needs of modern educational environment.

#### About the Institute

**Anand Pharmacy College** is one of the leading institute of Gujarat established in 1998 by Shri Ramakrishna Seva Mandal. The institute is conducting All India Council for Technical Education (AICTE), New Delhi approved courses since 1998. Anand Pharmacy College offers Pharmaceutics, B.Pharm, M.Pharm in Pharmacology, Pharmaceutical **Ouality** Assurance, Industrial Pharmacy & Pharmaceutical Technology and Ph.D. courses. The institute is reaccredited by NAAC Third cycle with A+ grade (CGPA 3.38) and accredited by NBA (UG Course-2014-2020). The institute regularly invites learned and eminent entrepreneurs, academicians, industrialists and dignitaries to deliver lectures and create an environment of enthusiasm and zeal among students and staff members for educational excellence.

#### About GSBTM

The State Government of Gujarat, in its resolve and continued endeavors for socio-economic upliftment of society, has identified Biotechnology as most potential tool for development. The State intends to promote biotechnology sector by building appropriate image, encouraging entrepreneurship, strengthening organizational

colorations and forecasting business partnerships. For facilitating the development of biotechnology in the State, Government of Gujarat has constituted Gujarat State Biotechnology Mission, under the aegis of Department of Science and Technology. GSBTM will promote, support and facilitate the development of biotechnology in the state by promoting research and development in the field of biotechnology, by generating the quality human resource in the field of biotechnology.

#### Preamble

Biotechnological and molecular tools have become important in the diagnosis of diseases and its management. Rapid advancements in the field of molecular biology have stimulated research and significantly impacted progress in all the areas of biological sciences. These involve high-end sophisticated instrumentation that requires skill-based training for handling the equipment. Thus, a basic understanding of molecular biology tools and hands-on training among research scholars and students of various streams of biological sciences is critical. Hence, this workshop aims to acquaint the target group with focused and comprehensive hands-on training on basic molecular biology techniques.

## Objectives

- ✓ The main purpose of this programme is to improve the knowledge of delegates about Molecular biology techniques.
- ✓ Participants gain thorough understanding of the molecular tools and techniques, including converting RNA to cDNA, optimizing a qPCR reaction, primer design, and determining their genes' expression level of interest and many more.

- ✓ The participants to gain expertise in using PCR techniques, build a career in molecular biology and further ensure technology transfer in the lab of individual researchers.
- ✓ The participants shall be encouraged to discuss their ongoing research work with the trainers, which will be helpful to them.

#### Resource Persons

Eminent resource persons will deliver in depth information.

#### Eligibility

This Progamme is intended for the pharmacologists, researchers, academicians, health care professionals and students in the field of pharmacy, medicine, Zoology, biotechnology, and Agriculture.

### Registration

## **Registration link:**

## https://forms.gle/f2ysWMtM7CzbSriR9

Registration fee		
Faculty	1000 /- Rs.	
Students	750/- Rs.	
Last date of Registration: 25th February, 2023		

Limited seats upto 50 particiapnts!!

#### **IMPORTANT INSTRUCTIONS:**

- 1. Those who are eligible to attend the workshop will receive a registration confirmation email.
- 2. Certificate will be provided to those participants who attend all the sessions.

#### PROGRAMME SCHEDULE

Time	Topics	
Day 1 :- February 27, 2023		
09:00 to 9:30 am	Registration and Refreshment	
9:30 to 11:00 am	Introduction to Molecular	
	Biology and its application.	
11:00 to 11:30 am	Inaugural function	
11:30 to 1:00 am	Insights of bioinformatics.	
1:00 to 2:00 pm	Lunch	
2:00 to 3:45 pm	Hands on training on	
(Batch A1 to Batch A5)	pipetting techniques, DNA and RNA Extraction.	
2:00 to 3:45 pm	Hands on training on NCBI	
(Batch B1 to Batch B5)	blast and primer design;	
	Sequence submission.	
3:45 to 4:45 pm	Hands on training on NCBI	
(Batch A1 to Batch A5)	blast and primer design;	
2.45	Sequence submission.	
3:45 to 4:45 pm	Hands on training on	
(Batch B1 to Batch B5)	pipetting techniques, DNA	
4:45 to 5:00 pm	and RNA Extraction.	
	High tea	
	Day 2 :- February 28, 2023	
10:00 to 11:30 am	Hands on training:	
(All batches)	Quantification and purification	
	of DNA and RNA (Use of	
	various qinstruments).	
11.20 to 10.15 mm	PCR techniques and its	
11:30 to 12:15 pm	application with a empahsis on pharma field.	
12:15 to 12:45 pm	Lunch	
12:45 to 2:15 pm		
(Batch A1 to Batch	Hands on training on cDNA	
A5)	synthesis.	
12:45 to 2:15 pm	II	
(Batch B1 to Batch	Hands on training on gene	
B5)	expression.	
2:15 to 2:30 pm	Tea break	
2:30 to 4:00 pm	Hands on training on gens	
(Batch A1 to Batch	Hands on training on gene expression.	
A5)	CAPICSSIUII.	
2:30 to 4:00 pm	Hands on training on cDNA	
(Batch B1 to Batch	synthesis.	
B5)	, and the second	
4:00 to 4:30 pm	Valedictory Function.	
4:30 to 5:00 pm	Certificate distribution and	
	High tea	

## ORGANIZING COMMITTEE

#### **Patrons**

#### SHRI HEMANTBHAI PATEL

President, SRKSM, Anand **Smt. JYOTSNABEN PATEL** Hon. Secretary, SRKSM, Anand

## **Convener and Coordinator**

## Dr. TEJAL GANDHI

Principal and Professor, Anand Pharmacy College, Anand

## **Co-Coordinator**

Ms. Prexita Patel , Ms. Navdha Vyas, MsAnjali Patel

### For Payment, Please refer following detail:

Bank Name	Bank of Baroda
Account Holder	Anand Pharmacy
Name	College
IFSC Code	BARB0ANANDX
	(fifth character is
	zero)
Account Number	Account Number
	02940100001289

As this is a limited seat workshop, once registered, the registration fee is non-refundable.

The further details are available on website, www.apc.ac.in/conference.aspx











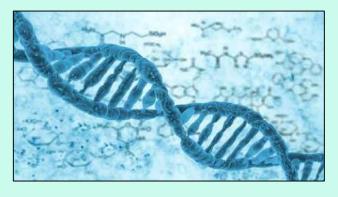




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Two days national level workshop on

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