

ATAL Online 6 Day Faculty Development Programme

Recent Therapeutic and Diagnostic Trends in Healthcare and Medical Technology

Date: 10th to 15th January, 2025
Venue: Online
Time: Evening Session

Organized by



**ATMIYA
UNIVERSITY**



Centre for
Research, Innovation
and Translation

Supported by



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Education



AICTE
Training & Learning
Academy

About the FDP

This six-day online Faculty Development Program(FDP) on “Recent Therapeutic and Diagnostic Trends in Healthcare and Medical Technology” aims to provide an in-depth exploration of the latest advancements in therapeutic and diagnostic technologies currently used in the clinical sector. The goal is to enhance participants' understanding of these innovations and their applications for improved disease management and patient outcomes.

About the AICTE & ATAL

The AICTE Training and Learning (ATAL) Academy is important because it helps to improve technical education in India, and supports research, innovation, and entrepreneurship in institutions.

Learning Outcomes

1. Introduction to recent advancements in medical technologies.
2. Detailed exploration of novel diagnostic tools and methods for critical diseases.
3. Overview of the latest research initiatives for the management of emerging and re-emerging diseases.
4. Case studies on the implementation and impact of omics platforms in life sciences.
5. Analysis of the effectiveness and challenges of new treatments.
6. Discussion on latest innovations in antimicrobial resistance (AMR).
7. Latest quality assurance and consultancy practices prevalent in bio-pharma industry.

Important Notes

- Registration link all the participants should Register by ATAL FDP Link for Given Site
<https://atalacademy.aicte-india.org/login>
- Guideline: Faculty, PhD Scholar, PG Students can Register. google form link:
<https://tinyurl.com/6dayonlinefdp> need to be filled
- Last date of registration: **5th January 2025 by 12.00 pm night**

Free Registration:

Certificate will be provided to all Successful participants only after Registration through ATAL : FDP Link (Maximum 100 participants allowed).

Programme Structure

Inaugural Session: 10th January, 6.00 pm to 6.30 pm

Day/Time	6:00PM to 6:30PM	6:30PM to 8:00PM	8:00PM to 9:30PM
Day 1 10 th January 2025	Inaugural Session: Welcome Address: Development of Biomarkers for cardiovascular diseases. Keynote Speaker: Dr. Arun Bandyopadhyay	Session 1: Topic: Saliva -a new opportunity for liquid biopsy in clinical and diagnostic applications. Expert: Dr. Bindhu O S	Session 2: Topic: Mitochondria in Health and disease Expert: Dr. P. Govindaraj
	6:00PM to 7:30PM	7:30PM to 9:00PM	
Day 2 11 th January 2025	Session 3: Topic: Sleuthing the orchestrations of the human immune response to infections and vaccines, one cell at-a-time Expert: Dr Ratnadeep Mukherjee	Session 4: Topic: Biosensors as surveillance tools for emerging and re-emerging infectious diseases Expert: Dr. Vijay Kumar	
Day 3 12 th January 2025	Session 5: Topic: Bacteriophage based products -a promising solution for treating AMR in aquaculture, poultry and dairy industry. Expert: Dr. Vasudha	Session 6: Topic: LC based untargeted metabolomics, a power tool for identifying potential biomarkers for early disease detection Expert: Dr. Rushi Bhatt	
Day 4 13 th January 2025	Session 7: Topic: Novel approaches to restraint breast cancer by targeting metabolic and Immune landscape. Expert: Dr. Saptak Banerjee	Session 8: Topic: HRMS and The critical quality attributes of protein of interest. Expert: Dr. Heramb Kulkarni.	
Day 5 14 th January 2025	Session 9: Topic: Biopharma R&D and Automation Opportunities. Expert: Mr. Abhijit Ghorai	Session 10: Topic: Introducing 'Consultancy Services' for Your Biopharma Business Success. Expert: Dr. Swati Patel	
Day 6 15 th January 2025	2:00PM to 3:30PM	3:30PM to 5:00PM	
	Session 11: Topic: Assay Development for Allergy Diagnostics. Expert: Dr. Manoj Kumar Singh	Session 12: Topic: Quality Elements in Biopharma and Quality Management System (QMS). Expert: Mrs. Hephshiba Jobin	
	5:00PM to 7:30PM	7:30PM to 8:00PM	
	Session 13: Topic: Immunogenicity of Protein based therapeutics in drug development-An overview. Expert: Mr. Brijesh Verma	Valedictory Session Chief Guest: Dr. Tanushree B (Tanu) Gupta	

6:30PM to 7:30PM Online Test & Feedback

Resource Persons



Dr. Arun Bandyopadhyay

Director, Gujarat Biotechnology University (GBU), Gandhinagar, Gujarat.

Keynote Speaker



Dr. Bindhu O S

Professor in Biochemistry and Deputy Director, Centre for Researcher Training and Administration, JAIN(Deemed-to-be University), Bangalore, Karnataka, India.



Dr. Saptak Banerjee

Senior Scientific Officer, Gr-II, Department of Immunoregulation & Immunodiagnosics (IRID), Chittaranjan National Cancer Institute, 37, SP Mukherjee Road, Kolkata, West Bengal.



Dr. Ratnadeep Mukherjee

Scientist, Section for Immunology Department of Methods Development and Analytics The Norwegian Institute of Public Health (Folkehelseinstituttet) Lovisenberggata 8, Oslo, Norway.



Dr. Vijay Kumar

Associate Professor & Head, SoS, RK, University, Rajkot, Gujarat.



Dr. Vasudha B

Founder , Director Aristogene Biosciences Pvt. Ltd. m, Bangalore, Karnataka.



Dr. Rushi Bhatt

Assistant Gen. Manager (R & D and Production), Endoc Biotech Pvt. LTD, Rajkot, Gujarat.



Dr. Manoj Kumar Singh

Scientific Manager - Product Development, TOSOH INDIA PVT. LTD. Mumbai, Maharashtra.

Resource Persons



Dr. Heramb Kulkarni

Principal Scientist, Center for Biopharma Analysis, Venture Center (Entrepreneurship Development Center), NCL Innovation Park, Dr. Homi Bhabha Road, Pashan, Pune, Maharashtra.



Mr. Abhijeet Gorai

Senior Project Manager, Cognizant Life Sciences, Kolkata, West Bengal.



Ms. Swati Patel

Founder and Principal Consultant, Bioessence Consultancy Services, Mumbai, Maharashtra.



Mr. Brijesh Verma

Sr. Scientist, NorthEast BioAnalytical Laboratories, Hamden, CT USA.



Mrs. Hepshiba Jobin

Quality Assurance Associate Dr. Reddys Laboratories, Hyderabad, Telengana.



Dr. P. Govindaraj

Assistant Professor, NIMHANS, Bangalore, Karnataka & STaff Scientist (Group leader) BRIC- Center for DNA fingerprinting and Diagnostics, Hyderabad, Telengana.



Chief Guest

Dr. Tanushree B (Tanu) Gupta

Sr. Scientist, AgResearch, Christchurch, New Zealand.



Chief Patron

P.P. Tyagvallabh Swamiji
President, Atmiya University

Patron

Prof. Sheela Ramachandran
Pro-Chancellor

Our Leadership

Dr. Divyang D. Vyas
Registrar

Dr. K. D. Ladva
Principal, SMNVSC

Dr. Ashish Kothari
Director, CRIT

Dr. Ravi S. Tank
Director, CTQM

Organizing Committee

Cordinator:

Dr. Debashis Banerjee

Assistant Professor,
Dept. of Life Sciences,
Biotechnology,
Atmiya University, Rajkot

Co-cordinator:

Dr. Mousumi Das

Assistant Professor
Dept. of Life Sciences,
Microbiology,
Atmiya University, Rajkot

Members:

Respected Faculties of Program
Microbiology and Biotechnology

Advisory Committee

Prof. Dr. Datta Madamwar

Scientific Advisor,
P. D. Patel Institute of Applied
Sciences, Charotar University of
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Dr. Avradip Chatterjee

Sr. Project Scientist,
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Dr. Krishna Kuldip Joshi

HOD & Assistant Professor,
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**ATMIYA
UNIVERSITY**
RAJKOT, GUJARAT - INDIA



About us

ATMIYA University bestows wisdom and knowledge, established on April 13, 2018, under the Gujarat Private University Act 11, 2018, ATMIYA University emphasizes training young minds in consonance with the doctrines of higher education and human values. The aim of this University is to spread eternal happiness and to create a happy society along with education with high quality and integrity. The university is notable in the Saurashtra-Kutch region of Gujarat with many landmarks. It offers diploma to doctorate course in various stream. His Divine Holiness Hariprasad Swamiji Maharaj was the spiritual successor of Lord Swaminarayan, is the mentor of ATMIYA University. With his blessing, P.P. Tyagvallabh Swamiji has envisioned Atmiya University to be a global leader in every domain area of higher education.

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