



One Week Online
**Basic Course on Biomedical
Research (BCBR)**

(22 -28 March, 2026)

Organized By
**Resilient Foundation For Academic
Innovation & Scientific Research, New
Delhi**

(Registered with NITI Aayog, Govt. of India)



ONE WEEK ONLINE BASIC COURSE ON BIOMEDICAL RESEARCH (BCBR)

ABOUT RESILIENT FOUNDATION :

Resilient Foundation for Academic Innovation & Scientific Research, New Delhi is a not-for-profit organization registered under section 8 of the companies' act 2013, India. The organization is established having primary aim to promote academic & research activities through knowledge sharing, innovation, skill development and capacity building in various sectors like academia, industry and government for betterment of society. For more details please visit <https://theresilientfoundation.org/>

ABOUT THE COURSE:

Evidence Based Medicine is an integral part of medical practice today and facilitates providing medical practitioners with the best available evidence for health care. To comprehend the evidence published in biomedical literature, doctors need to have an understanding of research methods and its principle.

This course is designed to enhance the understanding about various aspects of conducting biomedical research. This course will provide a platform to students, faculties, industry professionals to learn advanced knowledge for conducting research in biomedical and allied areas.



ONE WEEK ONLINE BASIC COURSE ON BIOMEDICAL RESEARCH (BCBR)

OBJECTIVE OF THE COURSE:

- An understanding of biomedical research is prerequisite for anyone carrying out, or involved in, clinical research and clinical trials.
- This course will be useful for Students and faculties of medical and allied health professionals for conducting research.

WHY THIS COURSE IS IMPORTANT FOR YOU?

- In order to improve the research skills of postgraduate medical students (MD/MS/MCh/DM) and medical teachers, the National Medical Commission (NMC) has recommended this research methodology course across the country.
- This course is mandatory for medical postgraduates (from 2019-20) and faculty for promotion.

THE EXPECTED OUTCOME OF THE TRAINING COURSE:

- ♦ Empower clinicians and researchers about basics of biomedical research.
- ♦ understand the key components of biomedical research.



PROGRAM SCHEDULE

TIMING: 06:30PM-08:00PM

Day	Topics
Day-1 22 March , 2026 ♦ ♦	Conceptualizing a research study <ul style="list-style-type: none"> ▪ Overview of Bio statistical Applications in Medical Research ▪ Study Design: Observational& Experimental/ clinical studies ▪ Selection Bias, Randomization, Replication
Day 2 23 March , 2026 ♦	<ul style="list-style-type: none"> ▪ Sampling techniques in Health Research ▪ Probability & Non Probability Sampling techniques ▪ Sample size determination using G Power software
Day 3 ♦ 24 March, 2026	<ul style="list-style-type: none"> ▪ Epidemiological considerations in designing a health research study ▪ Measures of disease frequency ▪ Descriptive study designs ▪ Analytical study designs ▪ Experimental study designs
♦ Day 4 ♦ 25 March , 2026 ♦	<ul style="list-style-type: none"> ▪ Writing of Academic Research Projects ▪ Publication Ethic ▪ Plagiarism Checking
Day 5 26 March , 2026 ♦	Inferential Statistics in Health Research Parametric Tests Non Parametric Tests Concept of p –value Type-I & Type-II Errors
Day 6 27 March , 2026 ♦	Introduction to Survival Analysis
Day 7 28 March, 2026	<ul style="list-style-type: none"> ▪ Systematic Review and Meta Analysis



METHODOLOGY

- ◆ Online live classes by eminent experts from reputed organizations of the country
- ◆ Participatory discussion with Q&A
- ◆ Demonstrations
- ◆ Recordings of the all sessions will be provided to all registered participants

NATURE OF PARTICIPANTS

The participants will be MBBS/MD/MS Doctors, Nurses, Clinical research coordinators, Pharmacists, Allied health professionals, Ethics Committee Members or any one working in the area of biomedical research.

DURATION & TIME

One Week (22 -28 March , 2026)

Timing : 06:30 PM To 08:00 PM



REGISTRATION PROCESS:

Registration Fee for all Participants = **Rs. 600/-**

Registration Link

<https://theresilientfoundation.org/current-events/>

TRAINING RULE

Highlights of the Training Course:

- ◆ Registered participants will get e-certificates
- ◆ Video recording of all sessions will be provided to all registered participants.
- ◆ Workshop by Subject Experts from reputed Institute & Universities
- ◆ Workshop will be on the Zoom meeting platform.

For Further Queries, Please Mail Us At : info@resilientfoundation.in
or call at **+91-8840112492**.

Last Date of Registration: 22 March , 2026 (Till 4:00 PM)



ABOUT RESOURCE PERSONS

Dr. Ravinder Singh, is medical graduate with doctorate training in public health. He is looking after the areas of mental health, disability, rehabilitation and assistive technologies at ICMR Headquarters (Department of Health Research, Ministry of Health & Family Welfare, Government of India), New Delhi. He completed his Ph.D. (Public Health) on Adolescent Stress from Jawaharlal Nehru University in 2013. He has experience of more than two decades in health research.



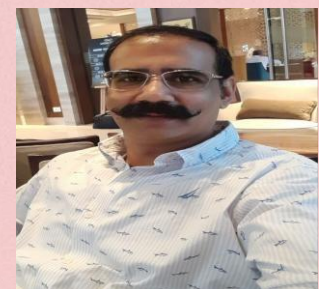
Prof (Dr) Sunil Raina, is the Professor & Head, Department of Community Medicine at Dr. RP Government Medical College, Tanda (Himachal Pradesh), India. He is also the Director of the Centre for Advancing Tobacco Control in Himachal Pradesh (CATCH) and adjunct Professor for Manipal Academy of Higher Education (MAHE), Karnataka, India and Father Muller Research Centre, Manglore. He is co-faculty at New England Complex Systems Institute (NECSI) Dr. Raina was a member Government of India panel on High Altitude Medicine and expert member C- 20 panel of G-20 Summit which was chaired by India in the year 2023. He is expert advisor to the Indian Council of Medical Research (ICMR)-Centre for Non Communicable diseases Kolkata, India and Member Scientific Advisory Committee, National Institute of Implementation Research (ICMR-NIIRNCD), Government of India.



Dr. Kanica Kaushal, is an accomplished medical professional with expertise in public health and is currently working as an Associate Professor, Department of Clinical Research and Epidemiology at Institute of Liver and Biliary Sciences (ILBS), New Delhi. She has worked at prestigious institutions and gained recognition from national and international organizations. Dr Kanica has spearheaded innovative public health projects at the ILBS, New Delhi, and is actively involved in implementing national guidelines for Non-Alcoholic Fatty Liver Disease (NAFLD) in India



Dr. Atal Sood, is the Professor & Head, Department of Pharmacology at Dr. RP Government Medical College, Tanda (Himachal Pradesh), India. Dr. Sood having more than 15 years teaching experience. He is Board member of AMRU PG students, NMC assessor, Chairperson of Animal Ethics Committee, Member of Institutional Ethics Committee and Coordinator of ADR Monitoring centre. Dr Sood has published more than 40 research articles in the journals of national and international repute.





ORGANISING TEAM OF THE TRAINING COURSE

Chief Patron



Prof. Karan P. Singh
School of Medicine,
University of Texas, USA

CONVENER



Dr. Sushil Kumar Shukla
(Nodal Officer, MRU) Professor
U P University of Medical
Sciences, Saifai Etawah, U. P.

ORGANIZING SECRETARY



Dr. D.K. Yadav
Assistant Professor
NIHFW, New Delhi