MD RESEARCH

Advanced Research Methodology & Biostatistics Training

3 Month Intensive Research Training Program

Master clinical research with top global faculty—learn advanced methodologies, conduct research, and get published in high-impact journals.

JOIN NOW

For more information Scan the QR Code

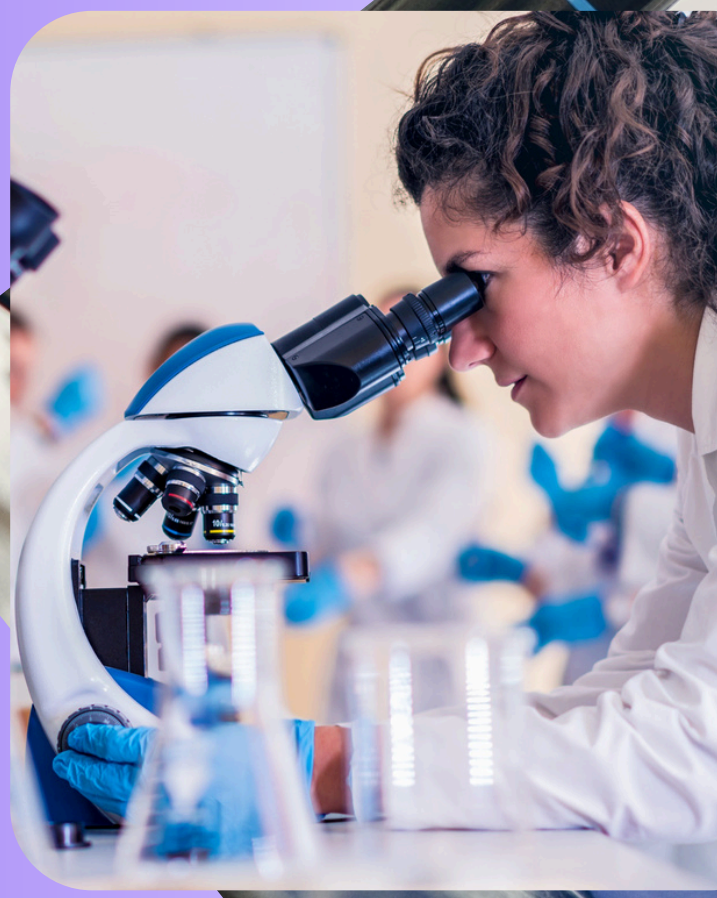
www.mdresearch.us

MD RESEARCH

Why Choose Our course?

Learn advanced research methodologies and biostatistics from top faculties in the world

Conduct systematic reviews, meta-analyses, and network meta-analyses



Publish in high-impact, PubMed-indexed journals worldwide

Gain a Clinical Research Training Certificate to enhance academic and professional credentials

For more information Scan the QR Code

www.mdresearch.us

MD RESEARCH

Why learn from us?

Proven Track Record of Success with tons of publication in world's premier journals

Our students have published in prestigious journals such as:

- **Journal of Complementary and Alternative Medicine**
- **Journal of Integrative Medicine**
- **BMC Complementary Medicine and Therapies**
- **Complementary Therapies in Medicine**
- **BMC Integrative Medicine**
- **International Journal of Yoga**
- **Frontiers in Medicine**

For more information Scan the QR Code

www.mdresearch.us

MD RESEARCH

Hybrid Learning Model for Maximum Impact

- 1-hour recorded lecture + 1-hour live one-on-one faculty interaction per session
- Direct mentorship and personalized guidance for each student, handheld to write article, so it can be published at end of each research cycle

From Learning to Publication

- Participants don't just learn—they conduct fundamental research
- Guaranteed manuscript submission to a PubMed-indexed journal on course completion

Enhancing Institutional Research Capacity

- Strengthens your institute's research output and international academic recognition
- Equips students with global research standards
- Helps in clinical and academic career

MD RESEARCH

Course Structure

DURATION

3 Months (12 weeks)

13th March - 13th August 2025

FORMAT

Online + Personalized Mentorship

CERTIFICATION

This 12-module course provides a step-by-step structured approach to research methodology, statistical analysis, and scientific writing.

For more information Scan the QR Code

www.mdresearch.us

MD RESEARCH

Modules Include:

Module 1: Foundations of Research

- Understanding research methods, methodology, and study design
- Formulating hypotheses and research questions
- Differences between qualitative and quantitative research

Module 2: Research Designs & Clinical Trials

- Detailed exploration of experimental vs. observational study designs
- Understanding randomized controlled trials (RCTs), cohort studies, case-control studies, and cross-sectional studies
- Ethical considerations in research

Module 3: Exploring Data & Concept of Probability

- Understanding types of data (categorical, continuous, ordinal)
- Data collection, organization, and presentation techniques
- Probability theory, central limit theorem, and standard distribution curve

MD RESEARCH

Module 4: Biostatistics Fundamentals & Descriptive Analysis

- Measures of central tendency (mean, median, mode)
- Descriptive vs. inferential statistics
- Introduction to statistical software (SPSS, R, Python, Statastics)

Module 5: Inferential Statistics & Advanced Analytics

- Hypothesis testing: p-values, confidence intervals
- Survival analysis and Kaplan-Meier curves
- Diagnostic statistics: Sensitivity, specificity, predictive values

Module 6: Conducting a Systematic Review

- Step-by-step methodology for conducting a systematic review
- Database searches (PubMed, Scopus, Cochrane) and screening techniques
- PRISMA guidelines and risk-of-bias assessment

MD RESEARCH

Module 7: Introduction to Meta-Analysis

- Understanding effect sizes and heterogeneity assessment
- Fixed-effect vs. random-effects models
- Introduction to meta-analysis software

Module 8: Conducting a Meta-Analysis

- Data extraction and coding
- Pooling results and subgroup analysis
- Publication bias and funnel plots

Module 9: Statistical Interpretation of Meta-Analysis

- How to interpret forest plots and heterogeneity
- Understanding confidence intervals and risk ratios
- Common errors in meta-analysis interpretation

MD RESEARCH

Module 10: Network Meta-Analysis

- Introduction to indirect comparisons and mixed treatment comparisons
- Application of network meta-analysis in clinical decision-making

Module 11: Research Proposal Writing & Medical Writing

- Writing a compelling research proposal
- Basics of grant writing and funding opportunities

Module 12: Manuscript Preparation & Journal Submission

- Structuring a high-impact scientific manuscript
- Journal selection, formatting, and submission process
- Responding to reviewer comments effectively

MD RESEARCH

FACULTY & MENTORS

This course is led by renowned researchers and experienced faculty members with a strong track record of high-impact publications

Dr. Indranill Basu Ray

(Program director)

Dr. Dibbendhu Khanra

Dr. Manjunath NK

Dr. Bhushan Patwardhan

Dr. Kashinath G. Metri

Dr. Mrithyunjay Rathore

Dr. Sanjay S. Phadke

Dr. Keith C. Norris

Dr. Anindya Mukherjee

Dr. Dorairaj Prabhakaran

Dr. Paula R. Seffens

Dr. Debesh Mallik

Dr. Girish Baburao Kulkarni

Dr. Rima Dada

Dr. Harminder Grewal

Dr. Vaishali Deshmukh

Dr. Savithri Chandana Veluri

Dr. Sarita Bajaj

Dr. Jayasree Pillarisetti

Dr.Pawan Ojha

Dr. Shripad Pujari

Dr. Harish R. Joshi

MD RESEARCH

BENEFITS

- Offer world-class research training to students
- Enhance institutional academic output with increased publications
- Equip scholars with global research skills on par with international researchers
- Strengthen reputation as a leading research-oriented institution

For more information
Scan the QR Code

MD RESEARCH

Secure your Residency position with the power of Research!

REGISTER NOW

and be part of a community shaping the future of health and wellness.

More Information

Dr Nandini L - 9019767277
Sejal Matani-8815967277

For more information
Scan the QR Code

www.mdresearch.us