



American Academy for
Yoga in Medicine

Fellowship in Advanced Biomedical Research and Statistics Batch 6

OFFERED BY THE AMERICAN ACADEMY
FOR YOGA IN MEDICINE (AAYM)

The 3-Month Fellowship in Advanced Biomedical Research and Statistics is your pathway to mastering cutting-edge research methodologies and making a meaningful impact in the global health and wellness community

**REGISTER
NOW**

Starting from 3rd week of May

Fees: Rs15000/-



Register Now 

 www.aaymonline.org

 Admissions@aaymline.org



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Why Choose Our Fellowship?

Improved Visibility

Stand out as a thought leader in academic and professional circles.

Enhanced Opportunities

Secure placements in prestigious PhD programs and coveted roles.

Career Momentum

Unlock pathways for advanced studies, competitive grants, and influential collaborations.

Inspiration and Legacy

Drive future discoveries, inspire others, and leave a lasting legacy of knowledge that transforms healthcare practices.



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WHO CAN APPLY?

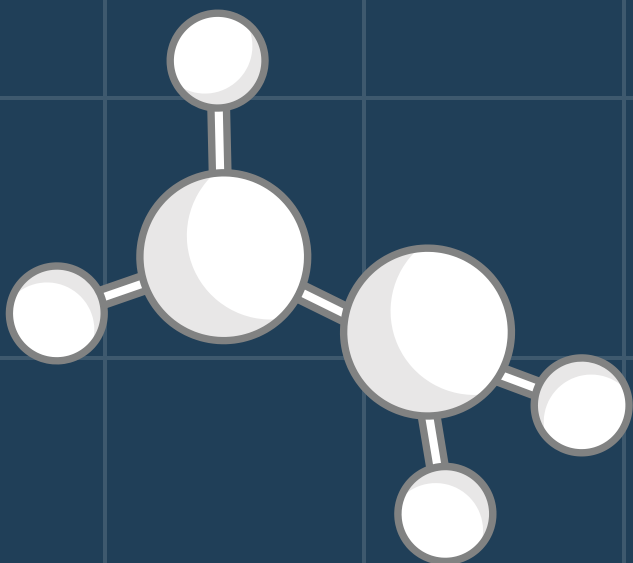
We welcome applicants from diverse backgrounds, including -

Medical Professionals: Doctors, nurses, physiotherapists, and practitioners from various healthcare systems.

Students and Graduates: Undergraduates, post graduates, and degree holders in Allopathic, Naturopathic, Ayurvedic, Homeopathic, and Siddha medicine.

Researchers and Academicians: Individuals interested in innovative health and wellness approaches .

Clinicians: Professionals integrating evidence-based research into their practice. Biomedical and Life Science Graduates Yoga Graduates



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WHY CHOOSE THE AAYM FELLOWSHIP?

Fellowships uniquely designed for professionals eager to bridge the gap between clinical practice and evidence-based research At AAYM

Master Core Research Skills: Learn methodologies tailored to yoga, naturopathy, and integrative medicine.

Gain Real-World Expertise: Engage in hands-on training with practical, real-world applications.

Learn from Experts: Receive mentorship from accomplished researchers who blend academic rigor with clinical insight.

Create Impactful Work: Develop and publish research that shapes the future of integrative medicine.



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What to Gain?

Prestigious Certification

Earn an internationally recognized certification from AAYM, enhancing your credibility and career prospects.

Career Advancement

Gain a competitive edge for top tier PhD programs, academic roles, clinical research positions, and publishing opportunities.

Practical Expertise

Master essential skills like data collection, statistical analysis, and scientific writing, empowering you to produce high-quality research.

Professional Network

Join a vibrant community of like-minded professionals, fostering growth, collaboration, and innovation.

Enhanced Placement Opportunities

Your research background will significantly boost your profile, opening doors to elite PhD programs and in-demand job roles.

Meaningful Contributions

Make a difference by advancing evidence-based practices and providing valuable insights to educators, practitioners, and researchers worldwide.



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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 normal distribution curve.



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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.



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Module 7: Introduction to Meta-Analysis

- Understanding effectsizesand heterogeneityassessment.
- 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.



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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.



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How to Apply

Secure your spot today

Seats are limited to ensure personalized mentorship and a high-quality learning experience.



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