

## Research Program for International Medical Graduates applying for USA residency.

### Purpose and Scope

MD RESEARCH CONSORTIUM a branch of BASURAY CARDIOLOGY conducts a short-term fellowship to train medical graduates in research methodology and help them with publication. This process involves meticulous training of these graduates under the distinguished guidance of Dr. Indranill Basu-Ray, with the overarching goal of fostering high-quality research training that may, upon meeting defined standards, result in potential publications either as abstracts or papers in peer-reviewed journals. The fellowship will span for a period of three months. Interested candidates can extend the period also if they are interested in guaranteed publication. The program can run concomitantly to any Clinical observership if the incumbent promises to dedicate the appropriate research time. Which is around 14-20 hours a week for three months. This fellowship can be done remotely without physical presence

## Filling A Critical Gap

From our personal experience and our faculties who have been running programs at the specialty and the super-specialty levels, in the interview, people are asked about their research experience and any publications they might have. Therefore, MD RESEARCH CONSORTIUM commits to facilitating the acquisition of high-quality recommendation letters that reflect medical graduates' substantial research and academic experiences. With publication in reputable journals and support from AAYM, these letters aim to enhance students' competitiveness in securing highly competitive academic residency positions in the USA





## Research Recommendation Letter:

MD RESEARCH CONSORTIUM has a history of research in cardiology and integrative cardiology and has a history of training medical graduates who have successfully matched to residency program. MD RESEARCH CONSORTIUM is fully committed to offering comprehensive support to research trainees during the publication process. Any publication it may be remembered augments tremendously application for residency and or fellowships.

These are the most potent instruments for getting into residency, particularly in a good residency, which becomes mandatory if the candidates wish to proceed to do super specialty training. Therefore, the lack of appropriate research during medical school in most international medical schools prohibits otherwise very intelligent and brilliant students from getting into the appropriate residency of their caliber and subject. This is based on the experience of many international medical graduates. MD RESEARCH CONSORTIUM helped them get into successful residencies, including in top-grade academic institutions that take mostly American graduates.

## Publication

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## Student Training and Research Fellowship:

Under MD RESEARCH CONSORTIUM structured research fellowship program, students will undergo rigorous training. This curriculum, overseen by MD RESEARCH CONSORTIUM faculty members, emphasizes Biostatistics and scientific writing, including abstracts, reviews, and meta-analyses. The program culminates with students having the opportunity to publish their research in peer reviewed journals. Most of the work will involve searching for journal papers and writing articles for publication. MD RESEARCH CONSORTIUM Experts will then finalize it to make it publishable in top journals. Upon successfully completing this process, the MD RESEARCH CONSORTIUM team will approach high-impact journals for publication.

It is important to realize that most publications take almost a year after submission. So, earlier training increases the chance of being included in the recommendation letter and the ERAS application.

## Letter of Recommendation:

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Upon completing the research fellowship program, students demonstrating exceptional dedication and proficiency will earn a formal Letter of Recommendation. This recognition highlights their hard work and achievements during the fellowship, bolstering their academic and professional career.

The Letter of Recommendation is a testament to their commitment and accomplishment during the research fellowship program, adding value to their academic and professional endeavors. This recommendation is exclusively provided to the students who successfully complete the program.



## Academic and Research Overview:

AAYM is known for its steadfast commitment to excellence and innovative research fellowship. Led by influential figures like Dr Indranill Basu-Ray has become a guiding force for many who have applied, successfully got multiple interviews, and been matched to top residency programs. While AAYM's recommendation letter and a research publication significantly bolster the chances of securing residency interviews and offers, it is vital to recognize that AAYM cannot guarantee residency. The final results exclusively rest on a student's performance in interviews, USMLE scores, successful completion of research, and the quality of their research recommendation letter and published works. However, sufficient handholding is done for any dedicated student to ensure that the hard work and dedication are primed to achieve their goals.



## Research Training Course for Resident Applicant Medical Research: Planning to Publication PROGRAM DIRECTOR : DR.INDRANILL BASU-RAY, M.D.

Module 1: Introduction to Research Methodology and Biostatistics	Dr. Anindya Mukherjee/ Dr. Bhavit Bansal
Module 2: Research Design and Clinical Trials	Dr. Abhijit Dutta/ Dr. Inbaraj Ganagarajan
Module 3: Exploring Data and concept of probability	Dr. Anindya Mukherjee/ Dr. Bhavit Bansal
Module 4: Sampling Techniques and Sample Size Calculation	Dr. Abhijit Dutta/ Dr. Inbaraj Ganagarajan
Module 5: Fundamentals of Biostatistics	Dr. Abhijit Dutta/ Dr. Bhavit Bansal
Module 6: Hypothesis Testing (bio-statistical tests and analysis through SPSS)	Dr. Abhijit Dutta/ Dr. Inbaraj Ganagarajan
Module- 7: Association and Time Statistics	Dr. Abhijit Dutta/ Dr. Bhavit Bansal
Module- 8: How to conduct and write Systematic Review	Dr. Anindya Mukherjee/ Dr. Inbaraj Ganagarajan
Module- 9: How to conduct and write Meta-analysis	Dr Dibbendhu Khanra/ Dr. Bhavit Bansal
Module- 10: How to conduct and write Network meta-analysis	Dr Dibbendhu Khanra/ Dr.Inbaraj Ganagarajan
Module 11: Medical Writing Basics and Structure	Dr. Abhijit Dutta/ Dr. Bhavit Bansal
Module 12: Manuscript Preparation and Publication	Dr. Anindya Mukherjee/ Dr. Inbaraj Ganagarajan

# INDRANILL BASU-RAY

**MBBS, MD(MED), DNB (CARD),  
D.SC.(HONORIS CAUSA), FACP, FACC.**

**PROGRAM DIRECTOR**

Dr. Basu-Ray is a Cardiologist trained in one of the newer subspecialties called Interventional Cardiac Electrophysiology. This is one of the youngest subspecialties of cardiology and has only a few trained physicians worldwide updated with current practice with the majority being in the United States of America. Dr. Basu-Ray performs complex ablations for Atrial Fibrillation and Ventricular Tachycardia. He also implants Pacemakers, Implantable Cardiac Defibrillators (ICDs), and Cardiac Resynchronization Devices, including state-of-the-art recently devised devices like Leadless Pacemakers, Subcutaneous ICDs and Cardiac Modulation Therapy devices. In addition, he has conducted lectures & workshops on the latest interventional ablation techniques at academic institutions in the US and India



He is a staff Cardiac Electrophysiologist and the present Director of Cardiovascular Research at the Memphis Veterans Medical Center in Memphis, TN, USA. He is also an Adjunct Professor at The School of Public Health, University of Memphis, Memphis, TN, USA. He is the Chairman of the interdepartmental Cardiac Resuscitation Council, determines policies, and does education and research on cardiac resuscitation for all physicians. He is also a Visiting Professor of Cardiology and the Head of Integrative Cardiology at the All-India Institute of Medical Sciences at Rishikesh, Uttarakhand, India. He has been a former faculty member at multiple distinguished schools, including the Harvard Medical School and Tulane University. He is the Editor of the “Fundamental of Cardiac Electrophysiology and Device Therapy” a premium textbook to be published by Elsevier which is in preparation. Dr. Basu Ray is on the editorial team of numerous cardiovascular journals. He is also the Editor of a popular book in Cardiology with over forty authors contributing to it worldwide.



## MD RESEARCH CONSORTIUM

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