

Short Biography.  
**INDRANILL BASU-RAY MBBS, MD(Med), DNB (Card), FACP, FACC.**



Dr. Basu-Ray is a staff Cardiologist and Cardiac Electrophysiologist & the Director of Cardiovascular Research at the Memphis Veterans Medical Center in Memphis, TN, USA. Concurrently he is an Adjunct Professor at The University of Memphis, Memphis, TN, USA. He is the Chairman of the interdepartmental Cardiac Resuscitation Council that determines policies and does education and research on cardiac resuscitation for all physicians. He is a Visiting Professor of Cardiology and the Head of Integrative Cardiology at the All India Institute of Medical Sciences at Rishikesh, Uttarakhand, India. He is also a faculty in guiding innovative research at the Massachusetts Institute of Technology- linQ program. He has been a former faculty at multiple distinguished schools, including the Harvard Medical School and Tulane University. Dr. Basu Ray is on the editorial team of numerous cardiovascular and medical journals. He is an author of over a hundred peer-reviewed articles. He is the Editor of the world's first reference book written by multiple authors worldwide called "The Principle and Practice of Yoga in Cardiovascular Diseases." He is also the Editor of a popular book in Cardiology which has over forty authors contributing to it from all over the world.

He has worked as an academic physician, researcher, and scientist at various reputed medical institutions in the United States and India. He has trained in Medicine & Cardiology in India and completed his American training in Medicine and Cardiology at the University of Buffalo and Tulane University. He trained in Clinical Cardiac Electrophysiology at the Texas Heart Institute, Baylor College of Medicine, and in EP research at the Massachusetts General Hospital, Harvard Medical School.

Dr. Basu-Ray has been meditating since the age of six. He has learned Kriya Yoga from multiple Himalayan gurus. He is also trained in vipassana. He was initiated by Swami Hariharananda Giri, the brother disciple of Paramhansa Yogananda of the "Autobiography of a Yogi" fame. He has been practicing, teaching, and researching meditation for over three decades now. His research centers on the use of meditation and yoga in cardiovascular diseases. He is also one of the cardiologists who wrote the American Heart Association's

scientific statement on using meditation to treat cardiovascular diseases He is the founder chairman of American Academy for Yoga and Meditation an organization of Physicians, scientists and researchers who work on scientific validation of Yoga and Meditation and hold regular international conference worldwide where the latest research is presented by world's top authorities. He was the program director of the "World's first conference on the role of Meditation in Cardiovascular Diseases" held at AIIMS, Rishikesh, which was attended by over a thousand physicians from all over the world. He is the Editor-in-Chief of the world's first reference book written by over 75 physicians and researchers worldwide called "The Principle and Practice of Yoga in Cardiovascular Diseases." Dr. Basu Ray has delivered invited lectures worldwide on the role of yoga and meditation in the prevention and treatment of cardiovascular diseases. He also addressed the prestigious Indian Science Congress on Yoga and Cardiovascular Diseases' latest research in early 2020.

Dr. Basu-Ray played a pioneering role in developing multiple tools for atrial fibrillation and Ventricular Tachycardia ablation in humans today. He was involved in the planning and executing the initial proof of concept for cryotherapy and the laser balloon used for atrial fibrillation ablation. He contributed to the initial development of a new iteration of 3D mapping systems using multimodality imaging used for intracardiac mapping today. Under the guidance of legendary Dr. Mark Josephson, his lab published the first proof of concept for "contact sensing," which is routinely used today for intracardiac ablations. His work on S-ICD (subcutaneous ICD), a new device, led to a change of guidelines by the American College of Cardiology, American Heart Association, and the European Society of Cardiology on its use. Dr. Basu-Ray performs complex ablations for Atrial Fibrillation and Ventricular Tachycardia. He also treats Heart failure with ICD's, Cardiac Resynchronization Devices, and Leadless Pacemakers and S-ICD's. He has conducted lectures & workshops on the latest interventional ablation techniques at academic institutions in the US and India, including at Sri Chitra, Apollo, Chennai, and AIIMS, to name a few. He is a faculty guide at MIT's linQ. MIT linQ is a collaborative initiative for increasing the potential of innovative biomedical research to benefit society and the economy. MIT linQ's innovation programs demonstrate a new paradigm for technology research and training.

Dr. Basu-Ray has been spearheading public education to use yoga to prevent COVID-19 as an eminent physician and Professor in the School of Public Health at the University of Memphis. He has been advising through multiple Indian and US TV channels on social isolation, meditation, and yoga during lockdown to decrease anxiety, depression and increasing immunity against viral infection. He has also been advising the media on the latest developments in the field, including new drugs against COVID-19 based on practical experience treating such patients with severe cardiac afflictions. He has appeared on multiple television channels in this country and abroad, talking about cardiac electrophysiology and yoga. His blogs appeared in multiple Indian and US Newspapers.