

10th National Bioethics Conference

A pre-conference training and peer engagement workshop

On

Artificial Intelligence (AI) in Healthcare: Learning together towards responsible AI

Date: Tuesday-Wednesday, January 28-29, 2025

Mode: In-person

Venue: Seminar Hall, Block-1, Department of Biotechnology, IIT Madras, TN, India

Time: 0900 to 1730hrs

Session faculty

Amrita Mahale



[Amrita Mahale](#) is Director of Product & Innovation at ARMMAN, where she is responsible for creating a human-centred, data-driven and evidence-based innovation process across ARMMAN's portfolio of programs in maternal & child health that have served over 50 million women. Previously, Amrita was the Head of Ideation & Incubation at Wadhvani AI. She holds a B.Tech in Aerospace Engineering from IIT Bombay and a MS in Aeronautics & Astronautics from Stanford University.

Anita Gurumurthy



[Anita Gurumurthy](#) is a founding member and Executive Director of IT for Change where she leads research and advocacy on data and AI governance, platform regulation, and feminist frameworks on digital justice. She serves as an expert on various bodies – including as co-chair of the T20's digital transformation working group on platform governance and has been part of the High Level Committee of the NetMundial+10 under Brazil's leadership, the UN Secretary-General's 10-Member Group on Technology Facilitation, and the Paris Peace Forum's working group on algorithmic governance. Anita is also a Board member of global justice organizations such as the ETC Group, and University centers such as the Tech & Policy Lab at the University of Western Australia, and International Development and Social Change program of Loughborough University. Anita contributes regularly to academic and media spaces.

Amrita Sengupta



Amrita Sengupta is a Research and Programme Lead at the Centre for Internet and Society, India. A trained sociologist, at CIS, Amrita leads research on AI governance, trust and online harms, platform accountability, information disorders, gender and technology, and climate and tech. She holds an undergraduate degree in sociology from Miranda House, Delhi University, and a postgraduate degree in internet studies from the Oxford Internet Institute. In the past, Amrita has worked in managing and implementing large scale people practices, diversity, and inclusion in the workplace, as well as in conducting and leading long-form research on impacts of tech on businesses and society, with both quantitative and qualitative methodologies. Amrita is on the Board of The Green Web Foundation, which investigates the climate impacts of AI. This year, Amrita is also a CyberBricks fellow, looking at questions of AI governance, AI sovereignty, AI, and DPI frameworks, at the Centre for Technology and Society-FGV, Rio de Janeiro.

Bharath Reddy



Bharath Reddy is an Associate Fellow with the High-Tech Geopolitics Programme at the Takshashila Institution. His research interests are at the intersections of technology, geopolitics, and India's national interests, focusing on AI governance, open-source technologies, and telecommunications. He also manages the Graduate Certificate in Public Policy (Technology and Policy). Before joining Takshashila, he worked in telecommunications, developing software for 4G base stations. He has a bachelor's degree in engineering and is an alumnus of the programme he now manages.

Balu Krishna Sasidharan



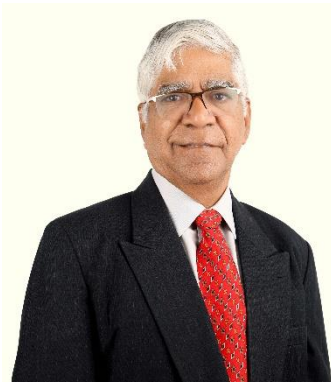
Dr. Balu Krishna Sasidharan is the Professor & Head, Department of Radiation Oncology (Unit-2) at Ida B Scudder Cancer Center, Christian Medical College (CMC), Vellore. Currently, he heads the Quantitative Image Analyses and Artificial Intelligence Lab (QIRAIL) and leads clinical side of AI projects on quantitative imaging and prognostic models. He was Visiting Research Fellow at University of Washington Medical Centre and Visiting Scholar at John Hopkins Hospital.

Himanshu Sinha



Dr. Himanshu Sinha is currently an Associate Professor in Department of Biotechnology, IIT Madras. He is also a co-ordinator of Center of Integrative Biology and Systems Medicine (IBSE), a research center in IITM dedicated to data-driven disease and clinical research. Prof. Sinha primarily works in Quantitative and Population genetics, Genetic and regulatory networks in yeast, Systems biology, Large scale human transcriptome and variation data analysis. He completed his Ph.D. in University of Cambridge (UK). In collaboration with clinical partners, the Translational Health Science and Technology Institute, are analysing the GARBH-Ini cohort, a hospital-based observational pregnancy cohort to study multidimensional correlates of preterm birth in India.

Krishnan Ganapathy



Dr. Krishnan GANAPATHY is a Past President of the Telemedicine Society of India, Neurological Society of India and Indian Society of Stereotactic and Functional Neurosurgery. Formerly Adjunct Professor @ IIT Madras & Anna University. He was an Honorary Consultant and Advisor in Neurosurgery Armed Forces Medical Services. In 1990, became the first in South Asia to get a Ph.D. in neuro-imaging. Member of Editorial Board of 4 International and 3 National Journals in Telemedicine and Neurosciences. First neurosurgeon to be trained in Stereotactic Radiosurgery in 1995 and in robotic radiosurgery in 2008. He ventured into Telehealth in 1998. During the last 47 years, has presented 592 papers in national and 193 in International conferences, published 126 scientific papers, 190 articles in magazines and newspapers and 21 chapters in text books. Guest editor for two special supplements of a national and international journal and has edited a book on Health IT. Currently Guest Editor for a Special Issue on Digital Health and on editorial board of 8 and reviews articles for 15 national and international journals. Formerly member of the Advisory Committee Dept. of Science & Technology Govt. Currently member of committees of Biotechnology Industry Research Assistance Council, Govt of India reviewing projects for funding. Was also on WHO Roster of Experts on Digital Health. On the Board of Directors of the Apollo Telemedicine Networking Foundation and Apollo Telehealth Services. Available for teaching, mentoring, guiding, advising at all levels in the areas of Digital Health, Clinical Research and Neurosciences. Interested in sharing 47 years of clinical wisdom.

Krishna Ravi Srinivas



Dr. Krishna Ravi Srinivas is an adjunct professor at NALSAR University of Law, Hyderabad, a consultant with Research and Information System in Developing Countries (RIS) and Managing Editor of a journal titled Asian Biotechnology and Development Review (ABDR) and is affiliated with the STI Program at RIS. He has been a visiting scholar at University of Pennsylvania on a Fulbright Fellowship, a visiting scholar at Indiana University, Bloomington and Post-Doc Research Fellow at South Center, Geneva. He holds a PhD from National Law School, Bangalore. He has published extensively on intellectual property rights, climate change and technology transfer, open source innovation and traditional knowledge. At RIS he has been part of research projects funded by the EC and UNESCO. He has been a consultant to UN DESA, UNESCO, UNEP-RISOE Center and Anthropological Survey of India.

Madhav A Deshpande



Madhav A Deshpande has over 40 years of experience in the field of computer science and its applications. He holds patents like on the extension of the ISCSI protocol for databases and he has developed a complex algorithm for US government. He has also worked as a consultant to federal, state and local governments in the US. He has architected several path-breaking software for the first time in the world, including low-level storage management from mobile phones; a working prototype of the coveted pNFS file system etc. He has done significant substantive work on partitioning of databases and data separation for privacy. He has worked on partitioning of databases and data separation for privacy, exploring simultaneous application of ideas like but not limited to partitioning, tokenisation and encryption and degrees of separation.

In recent times, he has made significant contributions to identifying technical lacunae in the Indian EVM and the resultant Electronic Election System using fundamental design principles and microcontroller system analysis using state change and responses in a closed client-server paradigm. He has also been the CEO and CTO of many companies in India and the USA.

Manjulika Vaz



Manjulika Vaz is a Social Scientist with over two decades of work with the social development sector. She graduated in Medical & Psychiatric Social Work from the Tata Institute of Social Sciences, Mumbai after her under graduation in Microbiology in Bangalore. Her doctoral work was in the ethics of biobanking and the role of public engagement. She is presently a researcher and faculty member at the Health and Humanities Division of the St John's Research Institute at the St John's National Academy of Health Sciences, Bangalore. Her work focusses on the intersection between medicine and the humanities, science and society, technology advancements and bioethics. She uses qualitative research methods to understand

cultural, social, attitudinal, and behavioural issues in health, illness and medical intervention. She has worked closely with the Bioethics Unit of the Indian Council of Medical Research to develop people centred research guidelines. She is a member of several Institutional Ethics Committees, conducts workshops and classes in research ethics and public health ethics and has a number of publications in bioethics in national and international journals. Her current areas of interest include the environment, climate change and planetary health, AI, digital health, narrative medicine, care given burden and chronic illness, anti-microbial resistance, public health policies and health systems research. She has played an active role in several National Bioethics Conferences including organising an Arts and Humanities festival for two of them. Manjulika is a Trustee of CIVIC Bangalore and is a founder member of SHADE Research Hub, UK.

Roli Mathur



Dr Roli Mathur is Head, Indian Council of Medical Research (ICMR) Bioethics Unit and Scientific Advisor to the National Ethics Committee Registry (Naitik Portal). She is Member Secretary, ICMR-Central Ethics Committee on Human Research and is the Director of the World Health Organization (WHO) Collaborating Centre for Strengthening Ethics in Biomedical and Health Research. Earlier, she had received WHO fellowship in Bioethics and Ethics Committee Administration and was trained to be an International Surveyor for ethics committees. At the ICMR, she had steered the development of ICMR National Ethical Guidelines for Biomedical Research on Human Participants as well as several other guidelines and policies to facilitate ethics review or

conduct of biomedical research. She has developed tools and instruments including audio visual teaching and training material in ethics. She is on a few expert groups of WHO and Council for International Organizations for Medical Sciences (CIOMS), and contributed to many international guidelines. She has a number of publications to her credit and coordinated the preparation of a reference book "Biomedical Ethics Perspectives in The Indian Context" — first of its kind resource for teaching and training research ethics in India. Her work has revolved around building Research Ethics capacity, Developing Policies and Guidelines, Networking and collaborations with stakeholders.

Sayantana Datta



Sayantana Datta (they/them) Sayantan Datta (they/them) is Assistant Professor of Practice at the Centre for Writing & Pedagogy, Krea University, and an independent science journalist and a children's book writer. Initially trained as a neuroscientist, their research and writing now explores intersections of gender, sexuality, caste, health and science. In the past, they have reported on the impact of artificial intelligence & facial recognition on the lives of queer and transgender persons. Their work has been recognized by the Laadli Award for Gender Sensitivity in Media and Advertising (2023) and the SAGE-Ashoka Prize for Critical Writing Pedagogies (2024, with Vivek Tewary). Both their children's books, *The Plant Whisperer* and *Grace* (both published by Pratham Books), have been listed in the Parag Honour list (2023 and 2024 respectively). Their research and writing has been funded by grants from the UK Research Initiative's Transforming Education for Sustainable Futures project, the National Association for Science Writers, USA, and the ReFrame Institute of Art and Expression. One can read more about them at sayantanspins.com.

Shambhavi Naik



Shambhavi Naik is the Head of Research at Takshashila and is the chairperson of the Advanced Biology programme. She is also a Consultant with Inklude Labs. Her research covers India's policies in areas of emerging technologies, with a focus on healthcare and higher education. She has previously participated in the development of guidelines for gene editing governance by WHO, was involved as a drafting committee member for India's risk assessment of genetically modified crops and worked with the Rajya Sabha Parliamentary committee on strengthening the DNA Profiling Bill. Shambhavi has a PhD in Cancer Biology from the University of Leicester, UK and over 3 years of experience as a Postdoctoral Fellow at NCBS and InStem, Bangalore. She has a PGP in Public Policy from the Takshashila Institution.

Shefali Malhotra



Shefali Malhotra is a Research Consultant with C-HELP. Her research focuses on the politics and governance of emerging health technologies in India. In 2020, she completed her post-graduation in political science at the Leiden University, Netherlands. Prior to this, her research focused on health financing and health policy regulation in India. In 2010, she received a bachelor's degree in law from Symbiosis Law School, Pune.

Shivangi Rai



Shivangi Rai is the Deputy Coordinator of C-HELP. She has 15 years' experience in research, advocacy, capacity building, litigation and law & policy development in instilling a 'right to health' framework in health laws, policies and programmes. At Lawyers Collective HIV/AIDS Unit, she worked on HIV, TB, access to treatment, patents, LGBT issues (including constitutional challenge to Sec. 377), gender, sex work and drug use, from a health and human rights perspective. From 2015-20, at NHSRC, a technical body under MoHFW, she led drafting of several bills – National Public Health Bill, Digital Information Security in Healthcare Bill and on human milk banking.

She also drafted the National Policy on Treatment of Rare Diseases in 2018, and guidelines on mental health and palliative care services within primary health care. Shivangi graduated from ILS Law College, Pune and holds an LL.M. from Warwick University, UK

Shweta Mohandas



Shweta Mohandas is a Policy Officer at the Centre for Internet and Society, India. Her areas of work and interest include Artificial Intelligence, Privacy, and Intellectual Property Rights and India's policies surrounding them. She is currently researching on the development and use of voice based technologies in India, with a focus on languages, accessibility and privacy.

Sunita Sheel



Sunita Bandewar has training in Anthropology and Bioethics. Amongst others, she serves on the International Ethics Review Board, *Medecins Sans Frontieres*, Geneva; and as Secretary on the Managing Committee, Forum for Medical Ethics Society, Mumbai, the publisher of the *Indian Journal of Medical Ethics (IJME)*. She serves on Working Editors Group of IJME and is one of the founding trustees of the Vidhayak Trust, Pune. Her engagement with health as a field of enquiry over these past three decades is primarily via empirical research and advocacy in the areas of women and health, global health, and

bioethics.

She was awarded an International Fellowship by the International Fogarty Centre, NIH, USA, to pursue a Masters in Health Sciences (Bioethics) at the Joint Centre for Bioethics, University of Toronto, Canada, in 2003-04. She was a senior research fellow in bioethics and global health at the University of Toronto on the initiative titled "Ethical, Social, Cultural Program in Global Health", Canada, for five years.

Suresh Seshadri



Dr. Suresh Seshadri is the Director of Mediscan Systems, Chennai, India. He also serves as Professor of Practice in the Department of Medical Sciences & Technology at IIT Madras. His name has become synonymous with Mediscan which he started in 1982 as the first Ultrasound center in Chennai. He has built his reputation as one of the finest Specialists in fetal Medicine and has performed over 25000 diagnostic and therapeutic fetal procedures. He has trained in fetoscopic Surgery at Necker Hospital Paris. He was conferred FRCOG by the Royal College of OBGYN, London in 2010, nominated as Ambassador of the International Society of Ultrasound in O&G to India since 2017, and awarded “Champion of Chennai” by KSA trust in 2018. With a passion for teaching, he has trained over 5000 doctors from India and other countries in Ultrasound and fetal medicine. His hobbies include Nature and Wildlife Photography, Amateur Radio.

Sujatha N



Dr. Sujatha is Professor in the Department of Applied Mechanics & Biomedical Engineering at IIT Madras. She served as an Associate Professor, School of Chemical & Biomedical Engineering, Nanyang Technological University (NTU), Singapore. She established the ‘Biophotonics Lab’ at IIT Madras and focuses on developing AI assisted non-invasive tools based on optical principles for disease diagnosis.