

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
(MEDIA CELL & PROTOCOL DIVISION)
Ansari Nagar, New Delhi-29

Date : 22nd January, 2024

Circular

I am pleased to inform you that we are organizing an online lecture on the topic of Ayurgenomics & Modern Medicine by Dr Mitali Mukherjee, Professor and Head, Department of Bioscience & Bioengineering, IIT Jodhpur and Affiliate faculty of School of Artificial Intelligence and Data Science and PI CoE in Ayurtech (AYUSH supported) at IIT Jodhpur.

The Lecture is scheduled on 24.01.2024 at 02:30 pm, and it will be delivered online. This lecture will be open for all faculty, resident doctors and students of AIIMS, New Delhi. The link for the lecture is <https://meet.google.com/mns-cvbb-gas>.

A brief outline of talk is attached


डॉ. रिमा दादा
Dr. Rima Dada, MD, PhD, GENETICS
आचार्य / Professor

Professor / Media Cell
Genetics Facility
शरीर रचना विज्ञान विभाग / Department of Anatomy
अ.भा.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi-29

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* End :- Copy of Abstract

Ayurveda and modern medicine in integrative medicine setting: the need for a molecular conversation

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We are currently witnessing a paradigm shift in health and disease management, transitioning from a reactive stance to a more proactive, holistic, and precise approach. This approach, resonates with the principles of Ayurveda, practiced in India for thousands of years. However, the decision to opt for Ayurveda as an additional medical option often rests with patients who possess limited understanding and evidence. One of the challenges lies in the limited communication between Ayurveda and modern medicine practitioners. Integrative medicine aims to provide informed choices for health management, drawing from multiple systems of medicine. However, the existing gap necessitates the development of comprehensive frameworks that facilitate communication between these disciplines and offer evidence-based solutions grounded in the principles and applications of traditional medicines. The science of Ayurgenomics has made the beginnings of a molecular conversation between the streams. Ayurgenomics provides an operational framework to (a) bridge the ontologies of Ayurveda and modern medicine through genomics approaches, (b) identify biomarkers for early actionable interventions and risk stratification, (c) comprehend genetic individuality influencing variable drug and environmental responses from a systems perspective, and (d) elucidate the mechanisms underlying Ayurveda-specific interventions and explore repurposing possibilities. These can also be extended to offer evidence-based solutions for other traditional medicine practices, including yoga and meditation. At the Ayurtech Centre of Excellence we are integrating different disciplines of engineering sciences for bridging the gap between traditional and modern healthcare with a holistic approach that could not only provide a win-win situation but enable development of rigorous standards for evidence-based practice of traditional medicine. The frameworks that IIT Jodhpur is developing in the Ayurtech space through its Centre of Excellence could enable evidence based policy formulations.

References

- Mukerji, M., 2023. Ayurgenomics-based frameworks in precision and integrative medicine: Translational opportunities. *Cambridge Prisms: Precision Medicine*, 1, p.e29.
- Aditi Joshi, Deep Patel, Mitali Mukerji Signatures of medications in meditation: A Connectivity map analysis of transcriptomes from an inner engineering retreat medRxiv 2023.11.27.23299046; doi: <https://doi.org/10.1101/2023.11.27.23299046>
- https://iitj.ac.in/techscape/vol02/issue02/news_and_views/Reinventing_Ayurveda_for_the_21st_Century/