



**RAMAIAH  
UNIVERSITY**  
OF APPLIED SCIENCES



Department of Biotechnology  
Faculty of Life and Allied Health Sciences

**Science Academies' Lecture Workshop on**

# **Translational Science and Research: Emerging Paradigms in Biotechnology**

## **Scientific Program**

### Topics Covered

Biomaterials and Chemical Biology  
Antimicrobial Peptides  
Disease Prediction and Control  
Cancer Therapeutics  
Aging and Associated Pathologies  
Precision Medicine

**Date**  
**Venue**

24<sup>th</sup> and 25<sup>th</sup> April 2023  
Council Hall, Ramaiah Medical College,  
Ramaiah University of Applied Sciences,  
GG Campus, Bengaluru -560054

**Science Academies' Lecture Workshop on**  
**Translational Science and Research: Emerging paradigms in Biotechnology**  
**24th & 25th April 2023**  
**Scientific Program**

**Day 1 – 24<sup>th</sup> April 2023**

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**8:30 AM onwards**

Registration

**9:30 AM – 10:00 AM**

Inauguration and Opening Ceremony

**SESSION 1**

**10:00 AM – 11:00 AM**

"Biomaterials and Chemical Biology Approaches for Solving Unmet Clinical Needs: A Roadmap for Translational Science" - Dr. Praveen Kumar Vemula, inSTEM, Bangalore

**11:00 AM – 11:45 AM**

High Tea and Photo Session

**11:45 AM – 12:45 PM**

"Environmental Surveillance as a Component of Public Health Preparedness and Disease Control" - Dr. Varsha Shridhar, Molecular Solutions Care Health LLP, Bangalore

**12:45 PM – 1:30 PM**

Lunch

**SESSION 2**

**1:30 PM – 2:30 PM**

"Does every breast cancer patient benefit from chemotherapy? – Role of Made in India in Innovative test of Decision Making" - Dr. Manjiri Bakre, OncoStem Diagnostics Pvt. Ltd., Bangalore

**2:30 PM – 3:30 PM**

"Precision Medicine in the 21st century- A Clinician's Perspective" - Dr. Harshavardhan Rao, Ramaiah Medical College and Ramaiah Memorial Hospital, Bangalore

**3:30 PM – 4:00 PM**

"Antimicrobial Peptides – Past, Present and Future" - Dr. Deepesh Nagarajan, Department of Biotechnology, Ramaiah University of Applied Sciences, Bangalore

**4:00 PM – 4:30 PM**

High Tea

**Day 2 – 25<sup>th</sup> April 2023**

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**SESSION 3**

**9:30 AM – 10:00 AM**

"Targeting Bacterial Suicide Programs as Antibacterial Strategies" - Dr. Sandhya Sankaran, Department of Biotechnology, Ramaiah University of Applied Sciences, Bangalore

**10:00 AM – 11:00 AM**

"Aging - a Malady for life" - Dr. Deepak Saini, Indian Institute of Science, Bangalore

**11:00 AM – 11:30 AM**

High Tea

**11:30 AM – 12:30 PM**

"Translation of Research at MSCTR and Research on Translation at ADRC" - Dr. Manjula Das, Mazumdar Shaw Medical Foundation, Bangalore

**12:30 PM – 1:15 PM**

Lunch

**SESSION 4**

**1:15 PM – 2:15 PM**

"Host-pathogen Interaction during *M. tuberculosis* Infection" - Dr. Varadharajan Sundaramurthy, National Center for Biological Sciences, Bangalore

**2:15 PM – 3:15 PM**

"Development of Transcriptional Factor Modulators for Cancer-targeted Therapeutics" - Dr. Mathivanan Jothi, National Institute of Mental Health and Neurosciences, Bangalore

**3:15 PM – 4:00 PM**

Valedictory Function

Closing Remarks by Prof. Rajan Dighe, Convener  
Vote of Thanks

**4:00 PM – 4:30 PM**

High Tea