

# SCIENCE ACADEMIES' LECTURE WORKSHOP ON "Omics to Biomarker and Therapeutics"

February, 24<sup>th</sup> & 25<sup>th</sup>, 2025

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## About the Workshop

The present scientific lecture workshop will serve as a vibrant platform to discuss on the rapidly evolving field of omics sciences, through the lectures given by scientific experts. From the lecture workshop, the participants will gain knowledge in emerging fields such as synthetic biology, genomics, transcriptomics, proteomics, metabolomics, exosomes, etc., which will broaden their understanding of molecular biology.

## Resource Persons

### Prof. K. Dharmalingam



Director - Research  
Aravind Medical Research Foundation (AMRF)  
1, Anna Nagar, Madurai 625 020  
Tamil Nadu

#### Titles

- ❖ Human Microbiome in Human Health and Disease
- ❖ Extracellular Vesicles: Biology, Biogenesis and Applications

### Prof. K. Muniyappa



INSA Senior Scientist  
Indian Institute of Science (IISc)  
Bengaluru 560 012  
Karnataka

#### Titles

- ❖ DNA Damage Repair Mechanisms
- ❖ How Chromosomes Recognize each other and Recombine

### Prof. Kumaravel Somasundaram



Microbiology & Cell Biology Laboratory  
Indian Institute of Science (IISc)  
Bengaluru 560 012  
Karnataka

#### Titles

- ❖ Next Generation DNA Sequencing: Key Principles and Applications
- ❖ RNA interference: Biology, Mechanism and Applications

### Prof. S. Karutha Pandian



Honorary Visiting Professor  
Department of Biotechnology  
Alagappa University  
Karaikudi 630 003, Tamil Nadu

#### Titles

- ❖ Proteomics: Technologies and Applications.
- ❖ Genome Editing: Technologies and Applications

**Eligibility:** Under Graduate and Post Graduate Students, Research Scholars and Faculty Members in the fields of biological sciences are welcome to participate in the workshop.

**Number of Participants:** The intake is limited to 150 participants and the selection will be based on first come first served basis. The participants will be provided with workshop kit, lunch and refreshment during the workshop. Accommodation will not be provided.

The participants can register through the google form link <https://forms.gle/sKBDL8C4e7fzKTaC9> on or before (20.02.2025). The selected candidates will be informed through e-mail.

### Convener

#### Prof. K. Dharmalingam

Director - Research  
Aravind Medical Research Foundation (AMRF)  
1, Anna Nagar, Madurai 625 020  
Tamil Nadu

### Workshop Coordinator

#### Dr. R. Sivasamy

Assistant Professor  
Department of Human Genetics and  
Molecular Biology, Bharathiar University  
Coimbatore- 641 046, Tamil Nadu



### Organized By

DEPARTMENT OF HUMAN GENETICS AND MOLECULAR BIOLOGY  
BHARATHIAR UNIVERSITY, COIMBATORE - 641 046

## Free Registration

For further details contact  
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