



Module PMRF-ISSS027/II/2024

## Multi-omics Approaches for Biologists

### Name of the PMRF student

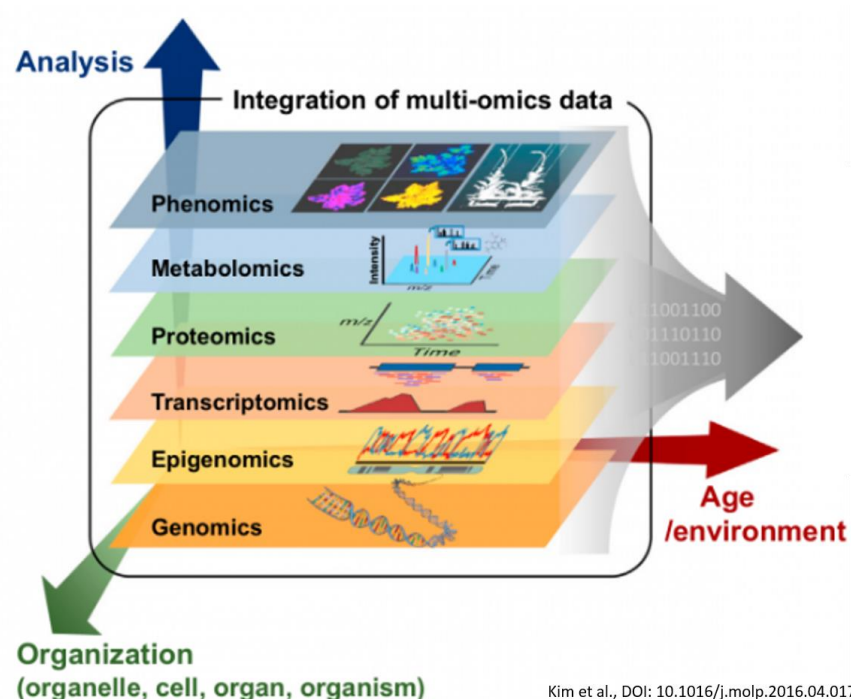
Ranjitha Guttapadu

### Required background of the students taught

Anyone with a basic understanding of Biology

### Details of the content of the module

- Multi-omics is an integrated approach that combines multiple “omics” technologies to obtain a comprehensive view of various processes at different biological levels, such as DNA, RNA, proteins, and metabolites.
- In this course, we will be looking at an introduction to Genomics, Transcriptomics, Proteomics, and Epigenomics and briefly look at other omics techniques like metabolomics.
- In each section, we will look at an overview of the technology, the sequencing method, and an overview of the packages used for its data analysis.
- Pre-recorded lectures will be uploaded every Tuesday and Thursday.
- Relevant paper discussions and live doubt-clearing sessions will also be held.



### Schedule of the module

Start Date: 13.02.24

End Date: 09.04.24

Schedule: Tuesdays and Thursdays

Time: 6:00-7:30 p.m.

Meeting link: Will be shared later

[Link](#)

Contact email ID: [issf.forum@gmail.com](mailto:issf.forum@gmail.com)

Registration link:

<https://forms.gle/3vLVpQgnsEoEAUNk7>