



**YENEPLOYA**  
**RESEARCH CENTRE**  
YENEPLOYA (DEEMED TO BE UNIVERSITY)



**PSI**  
Proteomics Society, India

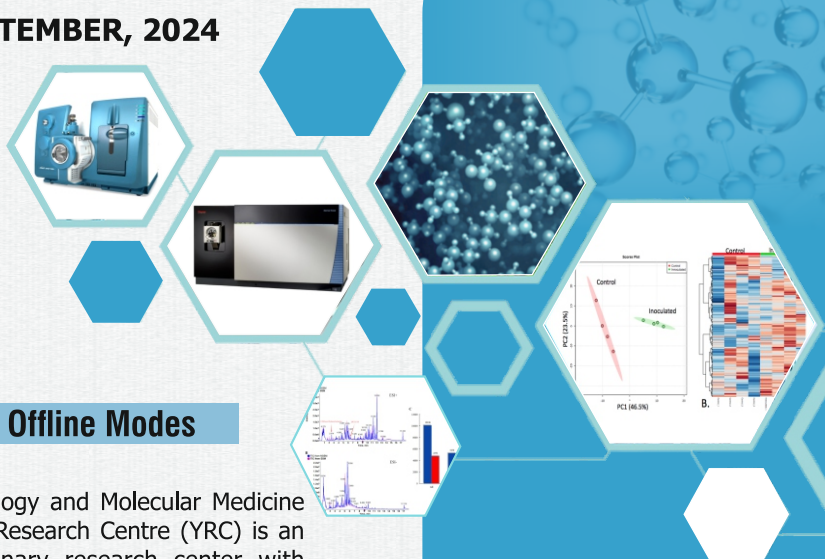
**Center for Systems Biology and Molecular Medicine,  
Yenepoya Research Centre  
&  
Proteomics Society, India**

*Under the aegis of*

**SKILL DEVELOPMENT IN MASS SPECTROMETRY-BASED METABOLOMICS TECHNOLOGIES-BIC**  
at Yenepoya (Deemed to be University)  
Funded by DBT, Government of India

# Workshop on Metabolomics

 **3<sup>rd</sup> to 5<sup>th</sup> SEPTEMBER, 2024**



**Online & Offline Modes**

Center for Systems Biology and Molecular Medicine (CSBMM) at Yenepoya Research Centre (YRC) is an advanced multi-disciplinary research center with state-of-art infrastructure to carry out genomics, proteomics, proteogenomics and metabolomics investigations. CSBMM has a state-of-art high resolution mass spectrometry facility consisting of Orbitrap Fusion Tribrid and QTRAP 6500 mass spectrometers. The scientists at CSBMM will share their expertise in mass spectrometry-based metabolomics including sample preparation to metabolite data analysis through a hands-on workshop.

 <http://csbmm.yenepoya.res.in>

## BENEFITS OF THE WORKSHOP

As part of this three-day intensive training, we will introduce, demonstrate and provide the theoretical underpinnings of high-resolution mass spectrometry-based metabolomics technologies and their application to understanding the system-level effects of metabolites.

**Both offline and online participation is allowed. Offline participants will receive hands-on training.**

## FOCUS OF THE WORKSHOP

- Introduction to metabolomics
- Sample preparation approaches
- Data acquisition using LC-MS/MS
- Orbitrap Fusion and QTRAP Mass Spectrometers
- Data analysis and Data Interpretation

## PARTICIPATION CHARGES

- Student/Research Scholar/Postdoc. : Rs. 1500 + GST (18%)
- Faculty : Rs. 2000 + GST(18%)
- Industry : Rs. 15000 + GST(18%)

## WORKSHOP VENUE

### **Center for Systems Biology and Molecular Medicine**

Yenepoya Research Centre, Yenepoya (Deemed to be University),  
Mangalore

## ACCOMMODATION

Free accommodation is provided to academics  
(Please see the registration form for details)

## CO-ORDINATORS

- Dr. T. S. Keshava Prasad
- Dr. Prashant Kumar Modi
- Dr. Shivaleela Biradar

## RESOURCE PERSONNEL



**Dr. Shantanu Sengupta**



**Dr. T. S. Keshava Prasad**



**Dr. Prashant Kumar Modi**



**Dr. Shobha D.**



**Dr. Mohan B.**



**Dr. Anoop Kumar**



**Dr. Akhila H S**



**Dr. Neha Honnalli**



**Dr. Shivaleela Biradar**

To enroll, please scan the following QR code:



<https://forms.gle/5vVaE37PrTCpeDHh9>

For further details please contact

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Phosphoproteomics  
Analysis  
Clinic  
MS2Compound Orbitrap Fusion Tribrid Proteomics  
Genomics Ayurvedic drugs Tissue MZmine  
Serum metabolomics Lipidomics QTRAP 6500  
metabolite NMR Mass spectrometer  
**Metabolomics**  
Milk metabolites Pharmaceuticals LC-MS/MS Laboratory  
Cell culture Plant metabolites Antibiotics Research Biochemistry  
Metabolomics reference Database pipetting HPLC Microbial metabolites  
Bull Sperm metabolites Heath care Experiments  
Biotechnology Bull Semen metabolites Discovery Studio

