

Workshop on Fundamentals of Proteogenomics for Beginners (July 22-24, 2019)

[\(http://csbmm.yenepoya.edu.in/workshop/pgw19/\)](http://csbmm.yenepoya.edu.in/workshop/pgw19/)

Center for Systems Biology and Molecular Medicine (CSBMM) at Yenepoya Research Centre (YRC) is an advanced multidisciplinary research center with state-of-art infrastructure to carry out genomics, proteomics, proteogenomics and metabolomics investigations. Proteogenomics is an application of mass spectrometry-derived proteomic data for the annotation of genome. It allows us to improve the genomic information of organisms using proteomic data. It can help in the discovery of several novel and revised forms of genes, which are usually missed by the computational annotation of genome. As a part of the academic program of Yenepoya (Deemed to be University), scientists at CSBMM will share their expertise in the proteogenomics and mass spectrometry data analysis to highly motivated young researchers in India through this intensive workshop. CSBMM is one among the 18 institutes selected by K-Tech, Government of Karnataka for hosting Biotechnology Skill Enhancement Programme (BiSEP) to prepare the students with industry ready skill sets. CSBMM offers "Post Graduate Diploma in Multiomics Technology" under BiSEP course. This workshop is jointly organised by CSBMM, YRC under the aegis of BiSEP (K-tech, Government of Karnataka).

Benefits of the workshop

As a part of this 3-day long intensive hands-on training, we will introduce, demonstrate and provide theoretical underpinnings of high-resolution mass spectrometry-based proteomic technologies and its application to proteogenomics. Each participant will be exposed to various bioinformatics strategies and software used in annotation of protein-coding genes for any given genome.

Participation charges

Students: Rs. 7,000; Faculty: Rs. 10,000; and Industry: Rs. 20,000

Focus of the workshop

- Introduction to proteomics
- Basics of mass spectrometry
- Introduction to genomics
- Principles of genome annotation
- Concept of proteogenomics
- Analysis of transcriptomic and proteomic data for genome annotation
- Applications of proteogenomics

Poster presentation

Submissions for research posters are cordially invited from the participants and the selected posters will be awarded cash prizes along with certificates.

Workshop Venue

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

To enroll, please click on the following link

<http://csbmm.yenepoya.edu.in/workshop/pgw19/register.php>

For further details please contact

Phone: 0824-2204668 (Ext: 2057)

Email : csbmm_workshop@yenepoya.edu.in

Website: <http://csbmm.yenepoya.edu.in>

Read more about BiSEP

<http://csbmm.yenepoya.edu.in/BiSEP/>

Join our Workshop WhatsApp group to stay updated on the workshops conducted by us:

<https://chat.whatsapp.com/HmAXNwyjk3d7rdKtScckw>



Invited subject experts

- Dr. Sneha M. Pinto, NTNU, Norway
- Dr. Yashwanth Subbannayya, NTNU, Norway
- Mr. Gaurab Banerjee, COO, MolSys Scientific

Resource personnel

- Dr. T. S. Keshava Prasad, Deputy Director, CSBMM
- Dr. Prashant Kumar Modi, CSBMM
- Dr. Shankar Prasad Das, YRC
- Dr. Shobha Dagamajalu, CSBMM

Coordinator

- Dr. T. S. Keshava Prasad, BiSEP course coordinator
- Dr. Arun H. Patil, BiSEP Faculty



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