

PROGRAM SCHEDULE

Workshop on Proteomics in Jai Hind College, Churchgate (8 to 11 Feb 2017)

Day 1:

8.30am-9.00am	Registration and breakfast
Morning Session	
9.00am-9.15am	Inaugural proceedings
9.15-10.30am	Keynote address: Understanding Proteomics (Origin of the branch, need and concept Protein-Protein interactions, Protein-Nucleic acid interactions), Dr S.K.Apte, Raja Rammana Fellow, BARC and former Director, Biosciences Group, BARC.
10.30am-10.45am	Tea
10.45am-11.30am	Extraction and Purification Of Proteins. Gagan National facility for biopharmaceuticals, G. N. Khalsa college
11.30am- 1.30 pm	Practical Session: Extraction and Purification Of Proteins. Gagan and team National facility for biopharmaceuticals, G. N. Khalsa college
1.30-2.00	Lunch
Evening Session	
2.00-2.45pm	Practical : Ion exchange chromatography. Gagan and team National facility for biopharmaceuticals, G. N. Khalsa college
2.45-3.15	Practical : Ion exchange chromatography. Gagan and team National facility for biopharmaceuticals, G. N. Khalsa college
3.15-3.30	Tea
3.30-5.00	Practical :Ion exchange chromatography. Gagan and team National facility for biopharmaceuticals, G. N. Khalsa college

Day 2:

Morning Session	
9.00am-9.30 am	Breakfast
9.30-11 am	Dr. Vijay Sharma . Microarray
11am-11.15am	Tea
11.15am-12.15am	Dr Rukamini Goankar. Proteomics in translational medicine
12.15am- 1.30 pm	Practical Session: Understanding Software. Dr Susan Thomas and Team, NIRRH a) Sequence homology based search b) demo on protein structure visualization and protein docking c) Use of popular online bioinformatics tools

1.30-2.00	Lunch
Evening Session	
2.00pm-3.15 pm	Practical Session: Understanding Software. Dr Susan Thomas and Team, NIRRH a) Sequence homology based search b) demo on protein structure visualization and protein docking c) Use of popular online bioinformatics tools
3.15pm-3.30pm	Tea
3.30pm-5.00pm	Lecture on Bioinformatics Dr Susan Thomas

Day 3:

Morning Session	Visit TO TIFR, Colaba, Mumbai
1000-11.00	Protein Speciation, Moonlighting and Post Translational Modifications: Concepts and Analytical Strategies. Prof. Gotam Jarori, TIFR
1100 -1130	Tea
1130- 1230	Novel approaches to analyze qualitative proteome and rare modifications. Prof. Ullas Kolthur, TIFR.
1230-1400	Lunch
1400-1630	a. 2-Dimensional Gel- Hands on training. Dr. Reena Verma / Prof. G. Jarori, TIFR. b. MALDI Hands on training. Ms. Geetanjali/ Prof. Ankona Dutta, TIFR. c. LCMS Hands on training. Mr. Ch. Balaji / Prof. G. Jarori, TIFR.
1630-1700	Tea & Discussion

Day 4:

Morning Session	
9.00am-9.30 am	Breakfast
9.30-10.30am	Lecture on ELISA: Dr Nilesh Bhambare . Doctor in charge.Metroplis.ELISA technique, steps, types of ELISA, principle, manual and automated Elisa platforms.OR Designing ELISA (How o prepare ELISA plate)
10.30am-10.45am	Tea
10.45am-11.30am	Practical ELISA,Nilam Tripathi Section head , Metropolis

11.30am- 1.30 pm	Practical ELISA, Nilam Tripathi Section head , Metropolis
1.30-2.00	Lunch
Evening Session	
2.00-3.45pm	Practical ELISA, Nilam Tripathi Section head , Metropolis
3.45-4.00	Tea
4.00-5.00	Valedictory Address Applications of Proteomics.(Cancer detection, Gene therapy, Protein biomarkers). Dr Surekha Zingade, President, PSI, Vice President, IWSA.