NPTEL Video Course - Biotechnology - NOC:Interactomics: Basics and Applications

Subject Co-ordinator - Prof. Sanjeeva Srivastava

Co-ordinating Institute - IIT - Bombay

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Surface Plasmon Resonance - Principles and Assays - II
Lecture 31 - Basics of SPR
Lecture 32 - Basics of SPR
Lecture 33 - Protein immobilization for protein-protein interaction studies
Lecture 34 - Protein-protein interaction study
Lecture 35 - Protein-protein interaction study
Lecture 36 - Use of SPR in unravelling domain motif interactions of proteasomal assembly chaperones
Lecture 37 - Protein-small molecule interaction study
Lecture 38 - Protein-small molecule interaction study
Lecture 39 - An introduction to biolayer interferometry (BLI)and its applications in protein research
Lecture 40 - Biomolecular interactions using Bio-Layer Interferometry (BLI) - I
Lecture 41 - Biomolecular interactions using Bio-Layer Interferometry (BLI) - II
Lecture 42 - Lab session- An introduction to BioLayer Interferometry (BLI) and its applications in protein re
Lecture 43 - Applications of label-free technologies - II
Lecture 44 - Biomolecular interaction analytics using MicroScale Thermophoresis
Lecture 45 - Mass Spectrometry coupled Interactomics - I
Lecture 46 - Mass Spectrometry coupled Interactomics - II
Lecture 47 - Next-Generation Sequencing Technology - Ion Torrent
Lecture 48 - NGS Technology - Bioinformatics and data analysis - I
Lecture 49 - NGS Technology - Bioinformatics and data analysis - II
Lecture 50 - Next-Generation Sequencing Technology- Illumina
Lecture 51 - Agilent complete NGS target enrichment workflow for exomes, targeted panels and beyond
Lecture 52 - The Human Pathology Atlas
Lecture 53 - The Human Pathology Atlas
Lecture 54 - Statistical Analysis - I
Lecture 55 - Statistical Analysis - II
Lecture 56 - Secondary Data Analysis
Lecture 57 - Pathway Enrichment and Network Analysis
Lecture 58 - Data Repositories and Databases
Lecture 59 - Application of multi-omics approach for better understanding of cancers
Lecture 60 - Integrated Omics and Systems Biology- Conclusion