

Whole Genome Sequencing and Analysis

March 12-16, 2018

Date	Time	Event	Resource Persons
12/03/2018	9.00-9.30	Inauguration	Delegates
	9.30-10.30	Applications of Genomics and Whole Genome Sequencing	Dr.Malali Gowda TDU
	10.30-10.45	Coffee Break	
	10.45-1.00	DNA Isolation	BGC/TDU
	2.00-5.00	Nanopore Library preparation and Sequencing	BGC/TDU
13/03/2018	9.30-10.00	Mining heterogametic sex chromosomes: New ways and means in the post-genomic era	Dr.Arun, CDFD
	10.00-10.30	Coffee Break	
	10.30-2.30	Illumina Library preparation and Sequencing	DSS Takara/Premas Life sciences
	3.00-5.00	Visit to C-CAMP	TDU/C-CAMP
14/03/2018	9.30-12.00	LINUX command line basics /Raw data formats of NGS	Dr.Pavithra and Mr Rahul
	10.00-10.30	Coffee Break	
	2.00-5.00	Whole genome Assembly (Reference/ <i>Denovo</i>)	Mr. Rahul
	4.00-4.15	Coffee Break	
15/03/2018	9.30-01.00	Fourth generation techniques of De novo assembly, polishing, gap filling and Scaffolding and Hybrid assembly practical session	Dr Dushyant and Mr Harish Nucleome Informatics
	10-10.30	Coffee Break	

	2.00-5.00	Application of R and statistics in Genome data analysis	Dr.Sreevatsan, IBAB
16/03/2018	09.30-12.00	Functional Annotations and types of Databases for annotations.	Dr.Uday Deshpande, Bioserve
	12.00-1.00	Phylogenetic Analysis and SRA submissions	Mr Rahul
	2.00-3.00	Genome-wide analysis of induced mutants in groundnut	Dr Channabyre Gowda GKVK
	3.00-3.30	Intellectual Property prospects in Genomics	Dr.Malali Gowda TDU
		Valedictory/Live mementos	Delegates
	3.30	High Tea	