

## Program Coordinators

Chowdry Vinay Kumar, BGC  
Dr. Mohan Kumar, TDU

<b>Day 1: 25-06-2018, Monday</b>	
9.00 AM to 9.30 AM	Registration
9.30 to 10.15 AM	Inauguration
10.15 to 10.30 AM	High Tea
10.30 to 12.00 AM	Talk on “ Deep sequencing of genome and transcriptome revolutionized our understanding of life”  Dr. Malali Gowda
12.00 to 12.30 PM	<b>Hands on session</b> Sample Collection, Storage and Processing (Dr. Roopalakshmi)
12.30 to 1.30 PM	Lunch break
1.30 to 5.30 PM  (3.15 to 3.30 PM Tea Break)	<b>Hands on session</b>  DNA isolation, PCR amplification and Visualization (Dr. Mohan (Microbial), Dr. Venu (Plant) and Ms. Varalaxmi (human))
<b>Day 2: 26-06-2018, Tuesday</b>	
9.00 AM to 9.30 AM	Recap
9.30 to 10.30	Introduction to 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> Generation Sequencing Technologies Mr. Vinay
10.30 to 12.30	<b>Hands on session</b> DNA Library Preparation and Sequencing (Nanopore) (Mr. Vinay / Varalaxmi)
12.30 to 1.30 PM	Lunch break
1.30 to 3.30 PM	<b>Hands on session contn...</b> DNA Library Preparation and Sequencing (Nanopore) (Mr. Vinay / Ms. Varalaxmi)
3.30 to 5.30 PM (3.45 to 4.00 PM: Tea break)	Demo on illumina Platform (Premas team)

<b>Day 3: 27-06-2018, Wednesday</b>	
9.00 AM to 9.30 AM	Recap
9.30 to 12.30 AM (10.45 to 11.00 AM Tea Break)	<b>Hands on Session on Bioinformatics:</b> Basic linux commands (Dr. Pavithra)
12.30 to 1.30 PM	<b>Hands on Session on Bioinformatics:</b> NGS raw reads and data formats Illumina, Nanopore (Mr. Santhosh)
1.30 to 2.30 PM	Lunch break
2.30 to 3.00 PM	Talk on "Microbiomics of plant rhizosphere –A metagenomics approach"  Dr. Sheetal Ambardar
3.00 to 5.30 PM (3.45 to 4.00 PM: Tea break)	<b>Hands on Session on Bioinformatics:</b> 16S rRNA Metagenome sequencing (Reference mapping and Phylogenetic analysis, Population diversity analysis) (Dr. Sheetal)
<b>Day 4: 28-06-2018, Thursday</b>	
9.00 AM to 9.30 AM	Recap
9.30 to 12.300 AM	<b>Hands on Session on Bioinformatics:</b> Whole genome sequencing (Assembly and Annotation) (Mr. Santhosh and Ms. Ashalatha)
12:30 to 1.30 PM	Lunch break
1.30 to 5.30 PM (3.45 to 4.00 PM: Tea break)	<b>Hands on Session on Bioinformatics contd...</b> Whole genome sequencing (Assembly and Annotation) (Mr. Santhosh and Ms. Ashalatha)

<b>Day 5: 29-06-2018, Friday</b>	
9.00 AM to 9.30 AM	Recap
9.30 to 12.30 AM	<b>Hands on Session on Bioinformatics:</b> Transcriptome sequencing (Assembly and Annotation) (Ms. Ashalatha and Mr. Nithin)
12:30 to 1.30 PM	Lunch break
1.30 to 5.30 PM (3.45 to 4.00 PM: Tea break)	<b>Hands on Session on Bioinformatics:</b> "Applications of R and statistics in Next Generation Genomic Technologies" (Dr. Srivatsan)
<b>Day 6: 30-06-2018, Saturday</b>	
9.00 AM to 9.30 AM	Recap
9.30 to 1.15 AM 10.30 to 1 0.45 AM (Tea Break)	<b>Hands on Session on Bioinformatics</b> : SRA Submission, Genome browser and Database (Dr. Malali and Dr. Pavithra)
1.15 to 2.00	Lunch Break
2.00 to 3.00 PM	Talk by Dr. Malali G on "Prospects of Intellectual property rights in genomics"
3.00 to 3.45 PM	<b>Valedictory/Medicinal Plants Distribution</b>
3.45	High Tea and Departure