



Pre-conference Workshop

Workshop on NGS Data Analysis 23 Jan, 2019 Short read, Long read and Hybrid Analysis

Time: 9:00 AM to 5:30 PM
Venue: ITC Gardenia, Bangalore

Learn from expert faculties of Genotypic, QTLomics and Dhiti Omics



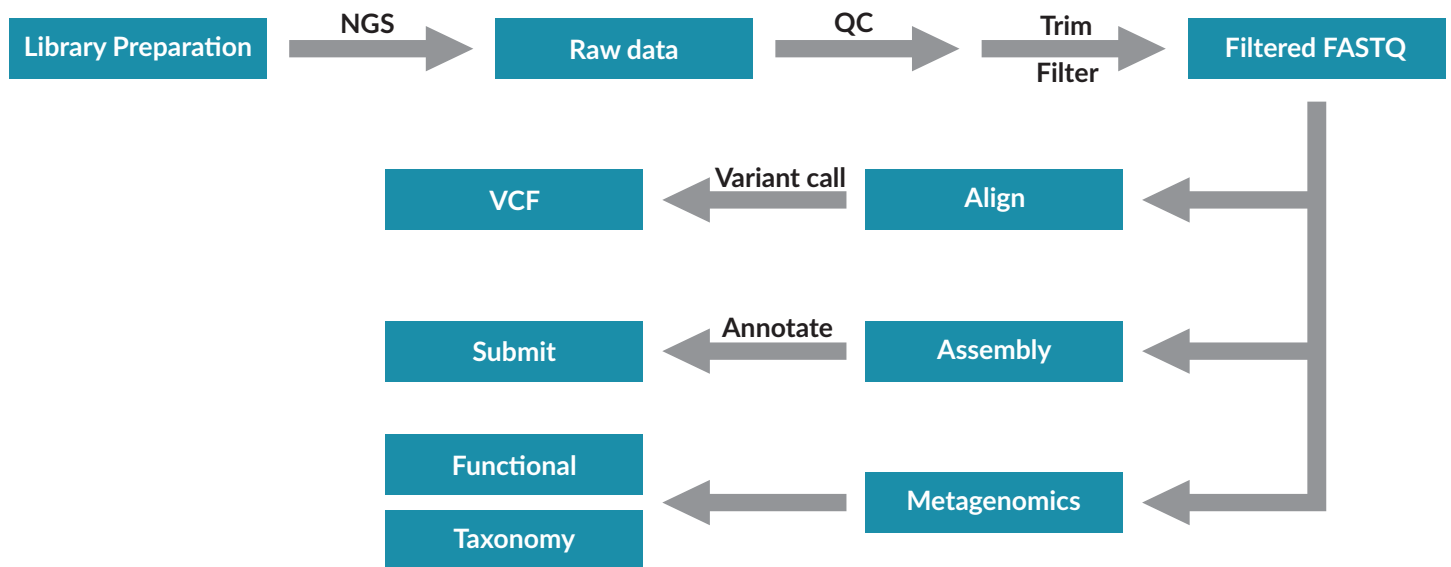
Who should attend?

- NGS users : Illumina, Pacbio, Ion and Nanopore sequencers
- No prior experience in NGS analysis is required
- Diagnostic labs who want to apply NGS
- Students who are interested in NGS data analysis

Why?

Learn from Experts :

- Who have helped publish more than 600 articles in a peer reviewed journal
- Who understand NGS analysis beyond scripts, codes and standard pipeline



Registration:
W:www.genomicsindia.co.in
Email:Conference@genotypic.co.in
Dr. Prashanth : +91 9632058833

Registration Fee:
Workshop only:
INR 5,000 (Rupees Five Thousand Only)

For conference registrants:
INR 3,000 (Rupees Three Thousand only)

Save 40% on workshop by registering for GIC 2019 conference

Certificate of NGS Data Analysis workshop participation will be provided



NGS Analysis Pre-conference Workshop on 23 Jan – Genomics India 2019

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Short read, Long read and Hybrid Analysis		
Time	Session	Topics
9:00 - 9:30 AM	Introduction to Sequencing Technology	<ul style="list-style-type: none">Short read vs Long reads
9:30 - 10:30 AM	Data processing for short reads	<ul style="list-style-type: none">Quality - FastQC, Poretools and Q-ScoreFile format and type conversion - Fastq, Fasta, Fast5Removing adapters/barcodes - Porechop
10:00 - 10:30 AM	Long read sequencing and basecalling	<ul style="list-style-type: none">Nanopore live runBasecalling - Albacore, Guppy
10:30 - 11:00AM	Tea Break	
Parallel Sessions		
	Whole Genome Assembly	Metagenome Analysis
11:00 - 1:00 PM	De novo Assembly - Canu and MaSuRCA <ul style="list-style-type: none">Error Correction - CanuAssembly - Canu, Spades and MaSuRCAScaffolding - Pyscaf, N50 and QC of scaffoldPolishing - Nanopolish, Pilon	Short reads 16s vs Long reads 16s - EPI2ME 16S Analysis
1:00 - 2:00PM	Lunch	
2:00 - 3:30 PM	Genome Annotation <ul style="list-style-type: none">Gene prediction - Prokka, AugustusFunctional classification - GOFEAT etc.	Whole genome metagenome analysis - EPI2ME WIMP
3:30 - 4:00 PM	Tea break and discussion	
4:00 - 5:30 PM	Comparative Analysis <ul style="list-style-type: none">Circos plots - BrigSynteny plots - Mauve	Antimicrobial Resistance Analysis

- Lecture, demonstration and hands on [Bring your own laptop for Data Analysis]

NEFT Instructions

Beneficiary Name : GENOMICS INDIA CONFERENCE
Beneficiary Address : No. 259 Apurva 4th Cross, RMV 2nd Stage, 80 Feet road, Bangalore - 560094.
Bank Name : Canara Bank
Branch : Basvanagudi Branch
Bank Address : NO 180, Gandhi bazaar main road, Bangalore - 560004.
Account Number : 0403201003357
IFSC Code : CNRB0000403
MICR Code : 560015032

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