

# Applying Genomics in Agriculture : Hands on workshop Series

**Series #4(12<sup>th</sup> & 13<sup>th</sup> Oct.) : Genotyping by NGS – seed lot testing & breeding**

**Series #5(16<sup>th</sup> & 17<sup>th</sup> Nov.) : Application of Nanopore seq. in Agri-biotech**

- Metagenome is the study of the organisms present in any environmental samples.
- To gain the knowledge of different organisms involved in different environmental samples for atmospheric balances is the main application of metagenomics studies.

Genomic DNA from samples i.e. milk, curd, soil, etc.

↓  
Library preparation

↓  
Nanopore sequencing

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Identify the presence of all the organisms present in the sample

## Day 1: 12th & 13th Oct.

9:00 AM	Registration
9:30 AM	Introduction
10:00 AM	Library preparation
1:00 PM	Lunch
1:30 PM	Sequencer run starts
3:00 PM	Tea and Discussion
5:00 PM	Sequencing Run statistics

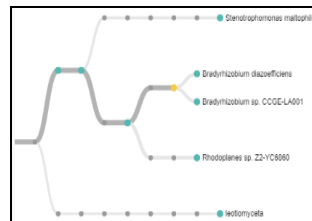
## Day 2: 16th & 17th Nov.

10:00 AM	Stop Run & raw data QC
10:45 AM	Data Analysis and discussion
1:00 PM	Lunch
2:00 PM	Q&A

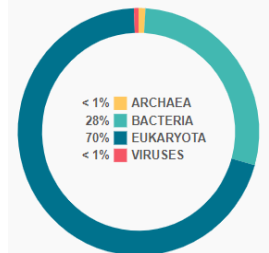
**Registration:**  
<http://www.qtlomics.com/events.php>

**OR Email with Name, Position,  
Organization, Phone # to**  
[keya.m@qtlomics.com](mailto:keya.m@qtlomics.com)  
**Phn no. 6361531573**

What's in my pot for metagenome sequencing provides an idea of the organisms present in each metagenome sample



Identification of contaminants present in each sample



## Registration fees:

**INR. 7500 (+GST)/participant.** Pay by cash/bank transfer. Sequence your sample : **INR. 19000 (+GST).**  
Avail early bird registration concession of **INR 500** (Before 1<sup>st</sup> Oct. for Series: 4 & 6<sup>th</sup> Nov for Series :5 )

**This workshop is specially organised for herbal, seed companies, agro-biotech & food companies and agriculture and horticulture institutions.**

Genomics services by Nanopore and other NGS technologies can be availed from QTLomics\*

\*Nanopore sequencer can be purchased from QTLomics (sub distributor) through Genotypic the official distributor in India



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