DBT Funded Training Program Bioinformatics for Metagenome data analysis (NGSDAT 2019) March 19-22, 2019

Bioinformatics Centre, ICAR-Indian Institute of Spices Research, Kozhikode, Kerala Department of Genomic Science, Central University of Kerala, Kasaragod, Kerala **Schedule**

Day 1: Tuesday, 19 March 2019			
09:30 am – 10:00 am	Registration		
10:00 am – 10.30 am	Welcome Inaugural session and workshop background & group photo		
10:30 am – 11:00 am	Pre evaluation		
11.00 am – 11.45 pm	Lecture	Dr. Santhosh J Eapen	
	Metagenomics: An NGS tool for exploring	(Principal Scientist and Head,	
	the microbiomes	Division of Crop Protection &	
		Co-ordinator (Bioinformatics)	
		ICAR-IISR)	
11:45 am – 12.45 pm	Lecture	Dr. A. Ishwara Bhat, Principal	
	Next Generation Sequencing- Chemistry	Scientist (Plant Pathology,	
	and Platforms	ICAR-Indian Institute of Spices	
		Research)	
12:45 pm – 1.30 pm	Lecture	Dr. Tony Grace (Assistant	
	Metagenome analysis	Professor, Department of	
		Genetics, Central University of	
		Kerala)	
01:30 pm - 02:30 pm	Lunch break		
02:30pm -03:30pm	(Lecture & Practical's)	Ms. Neethu Isaac, (Junior	
	Introduction to the Linux system;	Research Fellow, ICAR-IISR)	
	command lines for data analysis		
3.30 pm - 3.45 pm	Tea/Coffee		
3.45 pm – 5.00 pm	(Lecture & Practical's)	Mrs. Blessy M. Baby	
	Introduction to various data formats,	(Ph.D. Scholar, ICAR-IISR)	
	Quality Control, Trimming, Filtering of		
	Low Quality Reads.		
Day 2: Wednesday, 20 March 2019			
09:30 am – 10.00 am	Lecture: General workflow of	Dr. Muhammed Manzoor A.P.	
	Metagenome data analysis	(Research Associate, ICAR-IISR)	

10:00 am – 10.15 am	Setting up your computers	
10.15 am to 10.30 am	Introduction to MOTHUR	Dr. Sudeep D Ghate (Post Doctoral Fellow, Yenepoya University)
10:30 am – 11:00 am	Getting started with MOTHUR	
11.00 am- 11: 20 pm	Tea/Coffee	
11.20 am -1.00 pm	MOTHUR contd.	
01:00 pm - 02:00 pm	Lunch Break	
02:00 pm - 03:30 pm	MOTHUR contd.	
3.30 pm - 03.45 pm	Tea/Coffee	
03.45 pm – 04.30 pm	MOTHUR contd.	
Day 3: Thursday, 21 Ma	arch 2019	
09:30 am – 10:30 am	MOTHUR: General statistical data analysis	
10: 30 am – 11:20 am	Tea break	
11.20 am-12.00 pm	Data analysis using Microbiome Analyst	Dr. Sudeep D Ghate (Post Doctoral Fellow, Yenepoya
12.00 pm- 1: 00 pm	Data analysis using other offline/online tools	University) Dr. Muhammed Manzoor A.P. (Research Associate, ICAR-IISR)
01:00 pm - 02:00 pm	Lunch Break	
3.15 pm – 5:00 pm	Getting started with QIIME	Mr. Kumar Arvind. (Ph.D student, Central University of Kerala)
Day 4: Friday, 22 Marc	h 2019	
09:30 am – 10:30 am	Lecture Rhizosphere soil metagenomics: A case study in black pepper	Dr. P. Uma Devi (ICAR-IISR)
10.30 am to 11.15 am	Practical's on QIIME	
11:15 am – 11:30 am	Tea break	
11: 20 am – 1:00 pm	Practical's on QIIME	
01:00 pm - 02:00 pm	Lunch Break	Court Do Della Danielan
02:00 pm -03:30 pm	Valedictory Session Post evaluation, Feedback submission and certificate distribution	Guest: Dr. Belle Damodara Shenoy (Scientist, National Institute of Oceanography, Visakhapatnam)