



Registration Fee

ICAR employees & students - ₹ 2000/-
University/State/Central Govt - ₹ 2500/-
employees & students Others - ₹ 3000/-

Registration fees are inclusive of training kit, refreshment and a working lunch on all training days. Expenses on travel, boarding and lodging should be borne by the sponsoring institution.

Registration fees can be paid as DD/cheque drawn in favour of 'ICAR Unit - IISR' or through online (State Bank of India, Kozhikode Main Branch, IFSC: SBIN0000861 A/c No. 30302810771)

Accommodation can be arranged on request in "Sougandhikam" the scientist hostel of the institute.

Important Dates

Online registration ends on : 28 Feb. 2019
Intimation to selected candidates on : 05 Mar. 2019
Acceptance of reg. fees ends on : 10 Mar. 2019

CONTACT US

Dr. Santhosh J. Eapen
Principal Scientist & Head
Coordinator (Bioinformatics)
Tel : 0495-2731410 Ext. - 400 (0)
E-mail: sjeapen@spices.res.in /
sjeapen@gmail.com

Dr. D. Prasath
Principal Scientist and
Co-Coordinator, Bioinformatics Centre
Tel : 0495 - 2731410 Ext. - 208 (0)
E-mail: prasath@spices.res.in /
dprasath@gmail.com

ICAR- Indian Institute of Spices Research
Marikunnu P.O, Kozhikode -673012, Kerala
Phone: 0495-2731566
disc.iisr2000@gmail.com
disc@spices.res.in

NGSDAT 2019

BIOINFORMATICS FOR METAGENOME DATA ANALYSIS

MARCH 19-22, 2019



Bioinformatics Centre
ICAR - Indian Institute of Spices Research
Kozhikode, Kerala



Dept. of Genomic Science
Central University of Kerala
Kasaragod, Kerala

OVERVIEW

Metagenomics is the study of genetic material recovered directly from any environmental samples to explore the diversity, function, and ecology of microbial communities. It has diverse applications ranging from microbial proteins in biotechnology to microbes supporting plant growth, nutrient recycling in agriculture. The metagenomics field is growing rapidly with the recent advances in sequencing technologies. However, data is generated faster than users are able to share, analyze and interpret. In order to address this issue, the Bioinformatics Centre, ICAR-IISR is organizing a short-term training program "Bioinformatics for Metagenome Data Analysis" during 19-22 March 2019. This is the seventh in the Next Generation Sequence Data Analysis Training (NGSDAT) series the Centre is organizing with the financial support of Department of Biotechnology, New Delhi.

This training program will cover different steps in metagenomics analysis from data retrieval, quality control, filtering, assembly/clustering to taxonomic classification, functional assignment, comparative metagenomics and applications of metagenomics derived research. A substantial part of the training program will be devoted to hands-on experience with bioinformatics resources and tools relevant in metagenomics data analysis. Topics will be delivered using a mixture of lectures (20%), practical sessions (60%) and open discussions (20%). Practical work during the course will use small example datasets.

COURSE OUTLINE

- An overview of the metagenomics – principles, methods and instrumentation
- An overview of software tools, workflows for analysis and interpretation of metagenomics datasets
- Metagenome assembly, binning, and extracting genomes from metagenomes
- Taxonomic and functional annotation of metagenomic data
- Designing appropriate microbiome-focused experiments
- Appropriate statistical analysis of metagenomics datasets

WHO CAN ATTEND

Post graduates, PhD students, post-doctoral researchers and scientists who are doing or planning to start research on metagenomics. Basic familiarity with Linux environment and NGS data analysis is required.

HOW TO APPLY

Interested candidates are requested to apply through online application form available on our website : spices.res.in/pages/bioinformatics-centre OR 14.139.189.27/ngsdat19. Applicants from ICAR institutes will be given preference. Those selected candidates will be intimated through e-mail and they have to send the registration fee along with the nomination letter from head of the institution by the prescribed date.

