DBT-NIPGR organises a webinar-based training programme on new developments in data analysis

New Delhi, May 18: With rapid strides in the area of big data and machine learning, there is a huge demand for researchers who are trained to perform high throughput data analysis in the field of biological sciences. Rate of data deposition on different repositories is very high as compared to the rate of analysis. Therefore, there is a need to provide advanced training to the young generation in this field. In this context, the Department of Biotechnology's National Institute of Plant Genome Research (DBT-NIPGR) is organizing a webinar series entitled "Surge of Genomic Datasets: Microbes to Plants." The speakers, from different parts of the world, will present their work in the field of genomics and bioinformatics for different organisms e.g. human, microbes and plants; and for different aspects. The series will cover a range of topics including "role of genomics and peptidomes in the search of drugs against cancer", "big data analysis in olfaction for the treatment of cancer and COVID-19", "role of bioinformatics in microbiome and microbial research", and "single cell genomics". One of the speakers will also focus on the designing of epitope based vaccines for different diseases. Additionally, two exciting webinars on 'BigData and Biocuration' and 'Galaxy Platform for NGS Data Analysis' will be delivered to motivate the young researchers for this newly emerging field. A webinar entitled 'Identification of Novel RNAs in Plants by Big Data Analysis' will also be delivered on the first day of this webinar series. The presenter will

discuss identification of novel RNAs e.g. tRNA fragments and fusion transcripts in plants and the development of tools and databases for plant genomics research. The webinar series is designed to be of help to a wide range of audiences including plant biologists to microbiologists.

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