

Bioinformatics is an interdisciplinary field that develops methods and software tools for understanding biological data. As an interdisciplinary field of science, bioinformatics combines computer science, statistics, mathematics, and engineering to analyze and interpret biological data. Bioinformatics has been used for *in silico* analyses of biological queries using mathematical and statistical techniques.

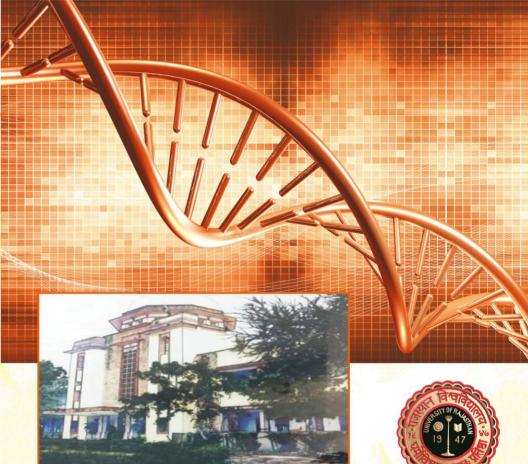
This course is particularly designed for life science scholars who are working in the field of metagenomics and are in the early stages of their data analysis. This course will cover the use of publicly available resources to manage, share, analyse and interpret metagenomics data. Delegates will gain hands-on experience using a range of data resources and tools, interspersed with lectures. Additionally, there will be opportunity to discuss the challenges being faced by researchers in the field. Course will also include ANOVA and Fisher enact test. All the participants will be given customized tool kit for ANOVA and Fisher enact test.

This course will cover topics:

- Data submission to public resources for metagenomics
- Interpretation of results and comparison with other metagenomics datasets
- Use a range of tools to perform data analyses
- ANOVA test
- Fisher enact test

Prerequisites

Practical sessions in the course require a basic understanding of the computer and laptop with internet connection. Downloaded R statistics package is preferred in your laptops.



Workshop on

Bio-informaticsA Practical Approach

November 22-23, 2017

Organized by:

Department of Zoology & Bioinformatics Infrastructure Facility (DBT)

University of Rajasthan, Jaipur - 302004



Workshop on

Bio-informatics A Practical Approach

November 22-23, 2017

ABOUT THE UNIVERSITY

The University of Rajasthan was established in 1947 initially named as "Rajputana University" and is located in the capital of Rajasthan, Jaipur. It is a hub for higher education, has earned several laurels including University with Potential for Excellence and credited with A grade by NAAC Accreditation. It has well developed infrastructure – a feature required to impart excellent quality education and research which brightens the future of the students. Self-financing courses as well as vocational skill development courses are also being run in the University.

ABOUT THE DEPARTMENT

Department of Zoology was established in 1960 by late Professor L.S.Ramaswami. The department has received generous financial support from Ford Foundation(USA), Rockefeller Foundation (USA), National Institute of Health (USA), United States Department of Agriculture, PL480 (USA), UGC-ULP, DRS, COSIST, SAP, DST-FIST (Phase I). The Department has been recognized as Centre for Advanced Studies (CAS Phase I) in Zoology in the year 2005. At present, Department is also receiving UGC support under CAS (Phase II) and DST support under FIST program (Phase II). Besides the major funding, several faculty members have been receiving financial support from different funding agencies like DST, DBT and MHFW. Research personnel include NET UGC & CSIR-JRF, ICMR-JRF, DST-INSPIRE Fellows, Research associates and women scientists. The Department has a whole range of sophisticated instruments to facilitate quality research. A central instrumentation facility is available for use to all research workers.

Patron Prof. R.K. Kothari

Vice Chancellor, University of Rajasthan

Convener Prof. Rashmi Sisodia

Head, Department of Zoology

Co-Convener Dr. Nupur Mathur

9414445951

Dr. Sumita Kachhawaha

Co-ordinator - BIF 9982738385

Org. Secretary Dr. Vandana Nunia

7742462690

Course Fee Rs. 1000

Registration Deadline - 15 November, 2017

Total No. of Seats - 50*

Venue Centre for Advanced Studies
Department of Zoology

Department of Zoology

University of Rajasthan, Jaipur - 302004



