

**National Workshop
on
Molecular Evolution and Phylogenetics**

(Oct 21-22, 2011)

Bioinformatics Infrastructure Facility
Centre for Bioinformatics, Maharshi Dayanand University
Rohtak – 124 001 (Haryana)

REGISTRATION FORM

Title : Dr/Mr/Mrs/Ms

Name : _____

Position : _____

Organization: _____

Address : _____

City: _____ State: _____

PIN : _____

Tel/Mob. No. : _____

E-mail : _____

Reason to join this workshop:

Accommodation required: Yes / No

Signature of the candidate: _____

Applications may be sent by post to:

The Director, Centre for Biotechnology
Maharshi Dayanand University, Rohtak – 124 001.
Phone: +91-1262-393101; Mob:+91-9896014951
E-mail: director.cbt.mdu@gmail.com

NB: Accommodation can be arranged in university
faculty house on payment basis.

Photocopy of application form can be used

Registration

Registration fee for the workshop is Rs. 200/-, for which payment may be made in cash or as demand draft in favour of **Director, Centre for Biotechnology**, payable at Rohtak. Participation certificate, course material working lunch and high tea will be provided. However, accommodation may be provided in University faculty-house on payment basis.

Number of participants: 20

Deadline: 16th October, 2011. (For the receipt of filled in application form).

Organizing Committee

Chief Patron:

Dr. R.P. Hooda, Honb'le Vice Chancellor, M. D. University

Patron:

Dr. S.N. Mishra, Dean, Faculty of Life Sciences, M. D. University

Coordinator:

Dr. S.K Gakhar, Director, Centre for Biotechnology, M. D. University

Organizing Secretary:

Dr. Ajit Kumar, Centre for Biotechnology, M. D. University

Joint Organizing Secretary:

Dr. Mahesh Kulharia, Centre for Biotechnology, M.D. University

Member:

Dr. Kaptan Singh, Centre for Bioinformatics, M.D. University.

Mr. Ajay Wadhwa, Centre for Bioinformatics, M.D. University.

Address for Communication:

The Organizing Secretary
(Workshop on Molecular Evolution & Phylogenetics)
Centre for Bioinformatics
Maharshi Dayanand University
Rohtak -124001 (Haryana)
Phone: +91-1262-393101; Mob:+91-9802299176
E-mail: director.cbt.mdu@gmail.com

NB: All intimations will be sent by e-mail only.

Disclaimer: In the event of circumstances beyond its control, the organizers reserve the right to alter the program, date or venue.

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Organized by

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Maharshi Dayanand University
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सत्यमेव जयते

Sponsored by

**Department of Biotechnology
Ministry of Science & Technology
Government of India, New Delhi**

ABOUT UNIVERSITY

Maharshi Dayanand University, Rohtak, named after a great social reformer was established through an Act of Legislative Assembly of Haryana in the year 1976 with special objective - "To establish and incorporate a teaching- cum - affiliating University at Rohtak for the encouragement of interdisciplinary higher education and research with special emphasis on studies in Life Sciences and Environment and Ecological Sciences". It is located 70 kms away from Delhi on NH-10 and spread in 700 acres of land.

ABOUT ROHTAK

The region surrounding Rohtak occupies the central place in the Bangru speaking zone of Haryana. The antiquity of the region goes back to the pre-Vedic Chalolithic/Bronze age. The ancient remains of last phase of Indus Valley Civilization can still be seen around the region. The PGIMS, Rohtak is among the front runners of medical sciences in the country.

CENTRE FOR BIOINFORMATICS

The centre is one of the fastest developing wing of the University and plays a lead role in the region as far as Life Science is concerned. It has being recently given the status of separate department, before which it was the part of Centre for Biotechnology. The centre provides Masters programme in Bioinformatics apart from other paid training programs (studentship and traineeship) in Bioinformatics. The centre boasts about its state-of-the-art infrastructure and laboratory facilities. Bridging the Biologist- Computational Interface gap will remain ever the focus of the centre.

ABOUT WORKSHOP

The objective of this workshop is to introduce about the current, emerging trends and applications of Molecular Evolution and Phylogenetics studies and to provide hands on training on bioinformatics tools in Molecular Phylogenetics research. After this workshop, you will be familiar with the concepts pertaining to basic molecular evolution principles and techniques for understanding various contemporary areas of biological research and their applications.

TOPICS INCLUDED

Bioinformatics web resources & tools, online databases & retrieval of biological information, Sequence and Phylogenetic analysis etc. Homology in molecular phylogenetics and evolution, Database searches using BLAST, Multiple sequence alignments, Sequence data exploration and manipulation, Tree nomenclature, tree rooting, trees and distances, trees and character evolution, gene trees and species trees, consensus trees, networks, Phylogenetic reconstruction methods (distance-matrix methods, minimum evolution, maximum parsimony and maximum likelihood), Sources and types of errors in phylogenetic inference.

LEVEL OF PARTICIPANTS

Academicians / Scientists / Research Scholars and PG Students working or desirous of working in the area of Molecular Phylogenetics, Computational Biology, Bioinformatics and various other branches of Sciences are invited to attend the workshop. The application form can also be downloaded from the University website: www.mdurohtak.ac.in