



सत्यमेव जयते



SRI AUROBINDO COLLEGE

University of Delhi

Malviya Nagar, Delhi- 110017

in association with

**ICMR AIIMS Computational Genomics Centre
AIIMS, New Delhi-110029**

is organising

**One week International (Online)
Multidisciplinary
Faculty Development Programme**

on

**APPLICATIONS OF GENOMICS,
METAGENOMICS
AND
BIOINFORMATICS IN BIOLOGICAL
SYSTEMS**

in collaboration with

Mahatma Hansraj Faculty Development Centre

(A Centre of MoE, Govt. of India under PMMMNMTT Scheme)

HANSRAJ COLLEGE

(NAAC A+ CGPA 3.62, NIRF Rank #9)

University of Delhi

Mahatma Hansraj Marg, Malka Ganj, Delhi-110007

<https://www.hansrajcollege.ac.in>



**Live Sessions
2:00 P.M. – 5:00 P.M.
16th – 20th August 2021**

Registration link

<https://bit.ly/3ip7Nqs>

**For more information:
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+91-9911007447**

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ABOUT ICMR, AIIMS COMPUTATIONAL GENOMICS CENTRE

AIIMS Computational Genomics Centre (ICGC) aims to accelerate genomic research in disease diagnosis and therapeutics. They aim to assist medical colleges and research organizations in the implementation of high throughput genomics in disease diagnostics and therapeutics. The team is committed to providing expert advice, state of art facility, and publications support in the field of genomics research.

ABOUT SRI AUROBINDO COLLEGE

Sri Aurobindo College was established in 1972, the birth centenary of the philosopher, patriot-poet, Sri Aurobindo as a constituent college of the University of Delhi. The College has always been known for its highly qualified academicians as faculty. The alumni are well placed in fields of science and technology, banking, finance, general management, academics and entrepreneurship and have been performing remarkably well in all spheres of life. The College has completed 44 glorious years and owes it to the sincere dedication of the staff, both teaching and non-teaching, tens of thousands of young people who have passed out of our portals and the goodwill from all our well-wishers and the community at large.



ABOUT PMMMNMTT

The Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching emphasizes the need to change the role and working of a teacher from mere disseminator of information and knowledge to the one who advances frontiers of existing knowledge by actively developing and creating new insights into diverse social and physical phenomena.

ABOUT HANSRAJ COLLEGE

Hansraj College is one of the largest constituent colleges of the University of Delhi and has been ranked as one of the top five colleges for science, arts and commerce several times in the last decade. The faculty and students of the college have contributed immensely to the fields of academics, sports and culture. The college faculty is dedicated towards the growth and development of the institution academically and administratively and constantly thrive for excellence. Hansarians have been placed in diverse professions and services worldwide and are bringing fame and laurels to the institution.



ABOUT THE PROGRAMME

This Faculty development program (FDP) aims to refresh the teaching fraternity across India with the recent developments in the vast world of genomics, metagenomics and bioinformatics and training them with basic methods involved in the analysis of genomes. This FDP is expected to enhance their skills in genomic and metagenomic data analysis and make them comfortable with the related software. Tutorials on metagenomic data along with the provided resource materials would help them to have hands-on practice on the given metagenomic data. This would update them with recent developments and extension of this field into medicine, agriculture, and the environment and impress them with the relevance of multidisciplinary studies in the present-day scenario.

PROGRAMME HIGHLIGHTS

- Key note address by eminent scientists in Genomics, Metagenomics and Bioinformatics
- Latest concepts in Next generation sequencing
- Metagenome : The second genome
- Introduction to Ubuntu and Qiime2
- Understanding the moving picture tutorial
- Hands-on tutorial on metagenomic data from gut microbiome
- Phylogenetic tree building with metagenomic data
- Future of metagenomics
- Applications of genomics, metagenomics and bioinformatics

REGISTRATION DETAILS

Interested participants are requested to follow the steps mentioned below in order to register for the FDP:

- Participants are required to pay the registration fee of **Rs. 500** or equivalent for participants from India and other developing countries* and **USD 10** for all other countries via NEFT/IMPS/UPI to the following account:

Account : Principal, Hansraj College, FDC
Bank : Canara Bank, Hansraj College, Delhi
Type of Account : Savings
Account number : 2848101019873
IFSC : CNRB0002848
SWIFT CODE : CNRBINBBDFM

- Pre-registration to the programme is through online mode only.
- Participants are required to fill the registration form using the following link.
(Please ensure that you have payment proof before filling up the registration form)
Registration link: <https://bit.ly/3ip7Nqs>
- The last date for registration is **13th August 2021**.
- Participants will be duly informed by **14th August 2021**.
- Attendance norms are strict. Participants are required to clear the assessment component for getting the e-certificates.
- Further details will be communicated to the registered participants.
- **ELIGIBILITY:** The programme is interdisciplinary and is open to all the interested participants. All faculty members (Permanent/ Temporary/ Adhoc / Guest) and Research Scholars from any university/college are eligible to participate.

* Check your country at <https://isge2018.isgesociety.com/registration/list-of-developing-countries/>

NOTE: Fee is Non-Refundable

EMINENT GUESTS AND SPEAKERS



Prof. Baram Pani
Dean of Colleges
University of Delhi



Dr. Vikas Gupta
Registrar
University of Delhi



Prof. Simon Davy
Head of the School of
Biological Sciences
Victoria University of
Wellington, New Zealand



Prof. Suman Lakhanpal
Head
Department of Botany
University of Delhi



**Professor Manu
Aggarwal**
Dept of Botany
University of Delhi



Professor Shilpi Sharma
Biochemical Engineering and
Biotech.
IIT Delhi



Dr. Ishan Gupta
Biochemical
Engineering and
Biotech.
IIT Delhi



Dr. Ravinder Singh
Scientist C
Division of Non-
Communicable Diseases
ICMR Delhi



**Dr. Dibyabhaba
Pradhan**
Scientist C (Bioinformatics)
ICMR Computational
Genomics Centre
AIIMS New Delhi



Dr. Harpreet Singh
Scientist E
ICMR Computational
Genomics Centre,
AIIMS New Delhi



Dr. Elisa Pellegrino
Institute Of Life Sciences
Sant' Anna School of
Advanced Study
Pisa Italy



Dr. Jitender Thakur
Staff Scientist VI
NIPGR Delhi



Prof. Girdhar K. Pandey
Dept. of Plant Molecular Biology
University of Delhi South campus Delhi



Prof. Jagreet Kaur
Dept of Genetics
University of Delhi South campus Delhi



Dr. Saloni Mathur
Staff Scientist IV,
NIPGR Delhi

ORGANISING COMMITTEE

MHRFDC TEAM

Prof. (Dr.) Rama

Principal, Hansraj College &
Chairperson, MHRFDC

Dr. Jyoti Bhola

Coordinator, MHRFDC

Mr. Ashutosh Yadav

Dy. Coordinator, MHRFDC

SRI AUROBINDO COLLEGE TEAM

Prof. Vipin Aggarwal

Principal

Prof. Manju M. Gupta

FDP Convenor

Mr. Rahul Dev

Organising Committee Member

HANSRAJ COLLEGE TEAM

Prof. Vijay Rani Rajpal

FDP Coordinator

Dr. Pratibha Pant

Organising Committee Member

ICMR, AIIMS COMPUTATIONAL GENOMICS CENTRE TEAM

Dr. Harpreet Singh

FDP coordinator