



Faculty Development Program
on
Genomics & Human Health
July 2nd -7th, 2018



Department of Biotechnology
Jaypee Institute of Information Technology,
A-10, Sector-62 Noida, UP

JIIT & DEPARTMENT OF BIOTECHNOLOGY

JIIT, an AICTE approved, NIRF (MHRD) ranked and NAAC accredited Deemed University has been constantly ranked amongst the top engineering Institutes in Delhi-NCR. The Department of Biotechnology at JIIT, established in 2002, remains committed to provide research-informed teaching and learning and a vibrant R & D environment; it has been consistently ranked amongst the best Institutions in India by Biospectrum. Research focus of the department on emerging, re-emerging and life style diseases, natural bio-products of therapeutic and industrial importance, their molecular mechanisms of action and bio/phyto remediation strategies has resulted in extramural funded projects and publications of national and International repute.

PROGRAM OVERVIEW

Rapid advancement in sequencing technology and the development of computer assisted analytical tools brought revolutionary changes in integrating genomics into the health sector. The human genome projects fuelled the discovery of thousands of disease genes. The massive genomics dataset generated through the advanced Next generation Sequencing (NGS) Technology within a short span of time provide ample innovative opportunity to decipher the molecular mechanisms operative in the diseased conditions. World Health Organization (WHO) recognized the role of human genomics research and the proper utilization of its outcome in various biotechnology fields, to encounter the world-wide health challenges by developing robust means to prevent, diagnose and treat major health burdens such as cancer, genetic and neurological disorders, life style diseases like cardiovascular, obesity and diabetes. The Centre for Emerging Diseases of Department of Biotechnology aims to strengthen faculty outlook on “Genomics and Human Health”, enlightening them in solving new research questions related to Human Health and understanding the emerging field of genetics like Genome and Personalized Medicine. Faculty will be well conceptualized and benefitted by the series of lectures and interactive sessions to be delivered by subject experts from both Academics and Industry which will help in enhancing the quality of their teaching and giving a new direction to their research interests.

KEY SESSIONS

- Public Health Genomics
- Diseases Genomics
- Technologies in Genome Research
- Next Generation Sequencing
- Statistical and Bioinformatics Interpretations

CORRESPONDENCE

Email: sujata.mohanty@jiit.ac.in
vibha.rani@jiit.ac.in

Address: Department of Biotechnology,
Jaypee Institute of Information Technology,
Sector-62, Noida, U.P.- 201 301

Mobile: Dr Sujata Mohanty: +91-9013387679
Dr Vibha Rani: +91 -9891854349

RESOURCE PERSONS

- Prof. B. C Das, Director, AIMMSCR, Amity University
- Prof. Mohammad Zahid Ashraf, Head, Department of Biotechnology, Jamia Millia Islamia Central University
- Prof. Pawan Dhar, School of Biotechnology, JNU
- Prof. Andrew M. Lynn, School of Computational and Integrative Sciences.
- Speakers from Academics/ Industry

For external participants:

Registration fee Rs. 2500/- (covers High Tea and Lunch).

Send duly filled registration form at

https://docs.google.com/forms/d/e/1FAIpQLSdYoUUhC9bBWJBI2I4y6JJ4hLP-LCkfhSz95ApaQJ9Dh7gBQ/viewform?usp=pp_url&entry.787045733&entry.1419833793&entry.1371180477&entry.1976859060&entry.1636257158&entry.74624100&entry.152072439 along

with demand draft issued in favor of “Jaypee Institute of Information Technology” payable at NOIDA by 20th June, 2018 at the correspondence address:

Department of Biotechnology, Jaypee Institute of Information Technology Sector-62, Noida, U.P.- 201 301

Internal participants do not have to pay fees

ORGANIZING COMMITTEE

Convenor: Dr Pammi Gauba

Coordinators:

Dr. Sujata Mohanty

Dr. Vibha Rani

Please note: Participants can deposit demand draft and only in exceptional cases cash will be accepted (at the time of registration).

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