

FIRST NATIONAL CONFERENCE ON SYNTHETIC BIOLOGY FOR REPROGRAMMING CELLS



Organized by
Department of Biosciences, School of Science
INDRASHIL UNIVERSITY

A LIFE SCIENCES UNIVERSITY
An Educational Initiative of Cadila Pharmaceuticals Ltd.

24 - 25
Jan, 2020

ABOUT THE UNIVERSITY

Indrashil University (IU) is an educational initiative of Cadila Pharmaceuticals Ltd. It is first University in the state of Gujarat offering courses in Life Sciences providing academic and research excellence. It has established Centers of Excellence in the area of Synthetic Biology, Microbiology & Chemical Sciences with intent to drive new discoveries in Biotechnology, with application in sectors that include healthcare, sustainable energy, green chemistry, pharmaceuticals, novel materials, and bioremediation among many others.

ABOUT THE CONFERENCE

Synthetic biology is a new and growing field where engineering principle apply in biology. Recent advances in synthetic biology have been used for development of drugs, vaccines, diagnostics, fine chemicals, biofuels and so on. Currently, synthetic biology technologies are on high priority for development of gene synthesis, sequencing, assembly of biosynthetic pathway to genome and genome editing for biotechnological applications. The aim of this conference is to bring together eminent scientists who are working in different aspect of synthetic biology, metabolic engineering, and genome engineering.

Register early to avail benefit on registration fee (up to 10th Jan, 2020)

LIMITED SPOT REGISTRATIONS WILL BE AVAILABLE

Category	Till 10 th Jan, 2020	After 10 th Jan, 2020
UG/PG Students	INR 1,500	INR 2,000
PhD and Postdoc	INR 2,000	INR 2,500
Faculty	INR 3,000	INR 3,500
Industry Person	INR 5,000	INR 7,000

For details please visit:

www.indrashiluniversity.edu.in

Venue:

INDRASHIL UNIVERSITY
Ahmedabad-Mehsana Highway,
Kadi, Mehsana – 382740, Gujarat

For more information:

Dr. Vijai Singh, Convener
synbio20@gmail.com; 9919807926

OBJECTIVES

- To understand basic of synthetic parts, devices and systems.
- To understand DNA synthesis, DNA sequencing, genome designing.
- To build biosynthetic pathways for production of biomolecules.
- To understand small regulatory RNAs.
- To understand the CRISPR-Cas technology.

THEMATIC AREAS

- Synthetic parts, devices and systems
- Non coding small regulatory RNA
- Biodesign and chemical biology
- Gene synthesis and assembly
- Next-generation sequencing
- Biosynthetic pathways for metabolites
- Genome editing CRISPR technology

ORGANIZING COMMITTEE

CHIEF PATRON

Dr. J.S. Yadav, Provost/Research Director

PATRON

Mr. Bhavik Gajjar, Registrar
Prof. Bharti Dave, Dean

CONVENER

Dr. Vijai Singh, Associate Professor

ORGANIZING SECRETARY

Dr. Rajesh Bhosale, Associate Professor

MEMBERS

Dr. Kiran Patruni, Asst. Professor
Dr. Rupesh Maurya, Asst. Professor
Dr. Haren Gosai, Asst. Professor
Dr. Sanjay Karn, Asst. Professor
Dr. Jay Prakash Reddy, Asst. Professor
Dr. E. Gyan Chander, Asst. Professor

Confirmed Speakers



Prof. Samir K. Brahmachari
Former DG, Council of Scientific and Industrial Research (CSIR), New Delhi



Dr. Nisheeth Agrawal
Associate Professor, Translational Health Science and Technology Institute (THSTI), Faridabad



Prof. Guhan Jayaraman
Department of Biotechnology, Indian Institute of Technology (IIT) Madras, Chennai



Dr. Madhvi Joshi
Joint Director, Gujarat Biotechnology Research Centre (GBRC), Gandhinagar



Prof. Chaitanya G Joshi
Director, Gujarat Biotechnology Research Centre (GBRC), Gandhinagar



Dr. Shashi Kumar
Group Leader, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi



Dr. Chaitanya Athale
Associate Professor, Indian Institute of Science Education and Research (IISER), Pune



Dr. Sangram Bagh
Associate Professor, Saha Institute of Nuclear Physics (SINP), Kolkata



Dr. Syed Shams Yazdani
Group Leader, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi



Dr. Anand Bhadalkar
Joint Director, Gujarat State Biotechnology Mission (GSBTM) Gandhinagar

Supported by

