

REGISTRATION FORM

CRISPR
The Future of Modern Molecular Medicine

Two day Computational Hands-on & Wet Lab Demo workshop on Genome Editing Tool CRISPR CAS9

(July 12th-13th, 2018)

1. Name :

2. Designation :

3. Institution :

4. e-mail :

5. Phone :

6. DD No. : Date :

Bank :

7. Address for Correspondence :
.....
.....

8. Accommodation required : YES / NO

Limited Accommodation is available in university campus on payment basis.

Place:

Date:

Signature of the applicant

Chief Patrons

Dr. L. Rathaiah
Chairman, Vignan's Group

Sri L. Sri Krishna Devarayalu
Vice Chairman, Vignan's Group

Patrons

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Chancellor

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Vice Chancellor

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Dean, Engineering & Management

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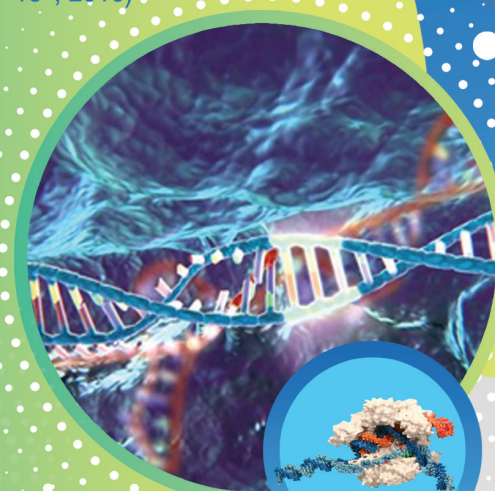
CRISPR

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Two day Computational Hands-on & Wet Lab Demo workshop on Genome Editing Tool



(July 12th-13th, 2018)



Organized by

Department of Biotechnology



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd. u/s 3 of UGC Act 1956

ABOUT VIGNAN

The young and vibrant University established in 2009 has set on a goal of academic excellence and poised for a tremendous growth in a very short span. This has been made possible due to the dynamic leadership of the University which is driven by values, ethics and a dedicated set of professionals. The University with its quality consciousness has adopted some of the best practices in the region in tune with the changing national and global trends in teaching and research. With greater emphasis on innovation, research, skill development and entrepreneurship, the University has entered an exciting phase and shouldering greater responsibilities in imparting technical skill development in keeping with our honorable Prime Minister's vision of Skill India, Make in India and Digital India.

ABOUT DEPARTMENT OF BIOTECHNOLOGY:

The Department of Biotechnology, established in the year 2006 and has well qualified and experienced faculty who are specialists in the areas of Bioinformatics, Environmental Biotechnology, Plant Biotechnology, Bioprocess Engineering, Mass Transfer Separations, Biochemical Reaction Engineering, Genetic Engineering etc. The faculty members are actively involved in Research activities in the field of their specialization. They have published good number of research papers in International/National level Journals and Conferences. Department of Biotechnology had a great track record for placements of 100% of its students in reputed organizations across the country.

THEME OF THE WORKSHOP:

Targeted Genome Engineering has been described as a "Game Changing Technology". The powerful gene editing technology known as CRISPR CAS9 has the potential to transform biological science at an astonishingly rapid rate. The technology is a targeted tool used to edit genomes with unparalleled precision, efficiency, and flexibility.

Invited Guest Speaker(s) and Workshop Resource Person

Dr. Shahul Hameed, Assistant Professor, School of Life Sciences, B. S. Abdul Rahman Crescent Institute of Science and Technology, Chennai, CEO of Wisecorner Laboratories) holds a PhD from Indian Institute of Science, Bangalore and has received Post Doctoral Training from Tata Institute of Fundamental Research, Mumbai. His research interests include Computational Biology, Genomics/Proteomics Data Analysis, Protein Engineering and Structural Biology. He has been a resource person in several workshops including International ones. He has a keen interest in novel Gene Editing Tools and their development.

WORKSHOP TIME - SCHEDULE

Time	Day 1
09.00am - 09.30am	Registration
09.30am - 10.45am	Guest Lecture on "CRISPR / CAS9 based Gene Editing – How it Works ?"
11.00am - 01.15pm	Hands on Session - Introduction to Bioconductor - Open source software for Bioinformatics
02.00pm - 03.45pm	Hands on Computer Session – Identification of Target Specific Guide RNAs for CRISPR- Cas9 Genome Editing Systems / sgRNA Design
04.00pm - 04.45pm	Hands on Computer Session – Predicting Potential Off-target Sites of Cas9 RNA-guided Endonucleases

Time	Day 2
09:30am - 10:45am	Guest Lecture on "Precise Genome Editing using CRISPR/Cas9 – Tools and Techniques".
11:00am - 01:15pm	DEMO – Bacterial Genome Editing using CRISPR/Cas9.
02:00pm - 05:30pm	DEMO – Bacterial Genome Editing using CRISPR/Cas9.

INSTRUCTIONS TO PARTICIPANTS

✓ Workshop manual will be provided.

Note: The participants are requested to inform their participation to the organizing secretary through email on or before 08th July 2018.

✓ Participants have to take care of their own accommodation.

✓ Working lunch will be provided.

✓ Certificates will be issued to participants attended to all sessions.

ABOUT WISE CORNER LABORATORIES:

It is a Bio-technology based start-up company primarily focussed on the emerging trends in biological research. Its vision is to provide high-quality solutions to the problems that arise in the realms of Drug Design and Development, Omics Data Analysis, Bio-Nanotechnology, Biomolecular Simulations, Protein and Genetic Engineering.

Last Date of Registration

8th July, 2018

Workshop Dates

12th-13th July, 2018



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-Estd. u/s 3 of UGC Act 1956

Registration Fee

Students Rs. 1,000/-
PhD Scholars Rs. 1,000/-
Faculty Rs. 1,000/-

ELIGIBILITY

Researchers, Faculty, Research Scholars, UG & PG students from various institutions and organizations can participate. Accommodation can be provided at University campus on prior request on payment basis

Payment Mode:

Registration fee has to be paid as a demand draft drawn in favor of "Registrar, VFSTRU-General Funds, payable at Guntur. The filled in registration form along with the DD can be sent by post to:

Email the scanned Demand Draft along with signed registration form with the participant details to:

karlapudibraham@gmail.com

Venue

Genetic Engineering Lab (ASF-13) and DST-FIST computer facility lab, Aryabhata U-block Vignan's Foundation for Science Technology and Research, Deemed to be University, Vadlamudi, Guntur-522213, Andhra Pradesh, India

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