



VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH (VFSTR)

The University was established in the year 2009 and is accredited by NAAC as "A". The University gives top priority to academic excellence with social responsibility. This has been made possible under the dynamic leadership of honorable Chairman Dr. Lavu Rathaiah, and Vice-Chairman Shri. Lavu Sri Krishna Devarayalu, Member of Parliament. The University is driven by values, ethics, and a dedicated team of professionals. With a greater emphasis on innovation, research, skill development and entrepreneurship, the University has entered an exciting phase and is 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 THE DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology at VFSTR was established in the year 2006. It was accredited by NBA in the year 2020. There are 24 doctorates among its faculty members. It supports the extension activities such as rural development by promoting the cultivation of medicinal plants to the local farmers, especially among women. The Department is very well established with COE, animal cell culture facility, bioprocessing lab, plant tissue culture lab, bioinformatics lab, animal house, clean room, and biogas plant, with an ample strength of students (600) and faculty. The Department has been supported by VFSTR, DST-FIST, and has attracted more than 10 external research projects to the tune of Rs. 3.5 crores. The Department offers B.Tech (Biotechnology and Bioinformatics), B.Tech. (Hons), M.Tech and Ph.D. Programs. Both B.Tech and M.Tech students undergo industrial internships, either in India or abroad. Every academic year, 20% of the students go for higher studies abroad, while 10% of the students prefer higher education in India, and the remaining 60% students get placements in various firms.

ABOUT THE SYMPOSIUM

The international symposium on bioinformatics (InSyB) is a flagship symposium of the Asia-Pacific Bioinformatics Network (APBioNet). This event is the fourth in the series, for the first time virtually, given the current pandemic situation. The last three InSyBs were held in Indonesia (2017), Malaysia (2018), and India (Punjab). Although this is the second time InSyB is being held in India, this time, it is being held in the southern parts of the country. InSyB as a symposium is targeted to the student group and younger researchers. The theme of InSyB 2020 "Bioinformatics for Disease Therapeutics" covers the whole spectrum of disease therapeutics, especially viral diseases like COVID-19, utilizing the tools of Bioinformatics and Omics. The prime aim of the symposium is to bring researchers, pharmacists, academics and industrial practitioners onto a single platform who can help in stimulating discussions and academic excellence. More than 10 experts in the field of bioinformatics have been invited from India and abroad (Australia, Japan, Singapore, Chile), who will deliver keynote/plenary talks on selected domains, entailing various aspects of disease therapeutics using various bioinformatics tools. We hope the participants will immensely benefit from attending the InSyB 2020.

INTERNATIONAL SYMPOSIUM on BIOINFORMATICS (InSyB 2020) FOR DISEASE THERAPEUTICS

21-22 December 2020

CTAAAGATGATCTTTAGTCCCGTTTCGAA
TCTTTAGTCCCGTTGATAACACCAACC

AGATCCCG
ATATATATG

AGGGGAG

BGTGCCTA

CTATGTTTT

GTAAGTTGATGAGAGAGAAAATGTGTGT

TTTGCTAAACAAGGTTTTATAAAATAGTTG

AAATAATAGAAAACAAATAAAATGAAAAT

TATTACTTAACAATAGTTTTTAAGAATTAT

AATAAAGATATCTTATAATTATTGTATGACT

ACGGTTTTTTGACTCATGTAGATGGATC

AGAGTTTATTGACGGCGTGCACTATTTTT

TTTTATTGTTGCCATGCAATAAGTGTA

TATTCATTCCACTTGTGAGTCGGGGT

Organized by the
Department of Biotechnology (NBA-Accredited)

Under the Aegis of



Asia-Pacific Bioinformatics Network (APBioNet)



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Est. u/s 3 of UGC Act 1956

Keynote Speakers



Prof. Kenta Nakai
(Keynote Speaker on 21st Dec, 2020)
Professor, Human Genome Center,
The Institute of Medical Science,
The University of Tokyo, Japan
Topic: Using Various Kinds of NGS Data
for Understanding Cell-Type Specific
Regulation of Gene Expression



Prof. G. P. S. Raghava
(Keynote Speaker on 22nd Dec, 2020)
Professor & Head, Department of
Computational Biology, Indraprastha
Institute of Information Technology
(IIT-Delhi), New Delhi, India
Former Chief Scientist, CSIR-Institute of
Microbial Technology, Chandigarh
Topic: Computer-Aided Immunotherapy
to Fight Against Emerging Pathogens



Prof. G. Narahari Sastry
Director, CSIR-North East Institute of
Science and Technology,
Jorhat, Assam, India
Topic: Understanding Relationships
between Infection and Immunity:
Role of Modelling and Informatics



Dr. Prashanth N Suravajhala
Sr. Scientist, Systems Biology,
Department of Biotechnology and Bioin-
formatics, Birla Institute of Scientific
Research, Jaipur-302001,
Rajasthan, India
Topic: Systems Genomics of Prostate
Cancer: Indian Perspective



Prof. Bruno Gaeta
Senior Lecturer and Director of Studies,
Bioinformatics Engineering,
School of Computer Science and
Engineering, UNSW Australia
Topic: Bioinformatics to Study a
Range of Aspects of Immune Function



Dr. Tikam Chand Dakal
Asst. Professor, Department of
Biotechnology,
Mohanlal Sukhadia University,
Rajasthan, India
Topic: Bioinformatics analyses of
SARS-COV-2 Spike Protein: Steps
Towards Designing COVID-19
Therapeutics



Dr. Adaikalavan Ramasamy
Sr. Research Scientist, Genome Institute of
Singapore, A*STAR, Singapore



Dr. Aparna Banerjee
Asst. Professor, Universidad Catolica
del Maule, Talca, Chile
Topic: Genomic and Molecular Char-
acterization of a Unique, Avirulent Variant
of Bacillus Anthracis from Hot Spring



Dr. Mohammad Asif Khan
President, APBioNet
Associate Professor & Dean, School
of Data Sciences, Perdana University,
Malaysia
Topic: Mapping the Minimal Set of
the Viral Peptidome



Dr. Sugunakar Vuree
Asst. Professor,
Department of Biotechnology,
School of Bioengineering and
Biosciences, Lovely Professional
University, Punjab, India
Topic: Envisioning the Role of Cancer
Biomarkers through the Intervention of
Bioinformatics



Dr. Shandar Ahmad
Professor, School of Computational and
Integrative Sciences, Jawaharlal Nehru
University, New Delhi, India
Topic: "Genome beyond a 4-letter
sequence: emerging roles for local
and global DNA shapes"

CHIEF PATRONS

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Chairman, Vignan`s Group

Sri. L. Sri Krishna Devarayalu
Vice-Chairman, Vignan`s Group

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Dr. M. Y. S. Prasad, Vice-Chancellor, VFSTR

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Dr. S. Krupandhi, Dean-Planning and Monitoring,
Head & Professor, Dept. of Biotechnology, VFSTR

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Scientific Advisor, Dept. of Biotechnology, VFSTR

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Dr. Tarun Pal,
Asst. Prof., Dept. of Biotechnology, VFSTR

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REGISTRATION:

Free for Students, Research Scholars, Scientists, and Faculty members from the Universities, Institutions, Colleges and Industries in India & Abroad.

REGISTRATION

Registration opens on **25th November 2020** | Registration closes on **15th December 2020**

https://docs.google.com/forms/d/e/1FAIpQLSezPpyGqfWfB2gBm486Xgd_ogI4707uy0ScRy9j4ve04M_Yxg/viewform?usp=sf_link

INSTRUCTIONS TO PARTICIPANTS

Presentation will be held over a virtual platform, such as ZOOM.
The ZOOM link will be provided to the registered participants.
E-certificate will be issued for all the participants.

VENUE

NET working facility lab supported by the DST-FIST.
Department of Biotechnology (NBA-Accredited).
Vignan`s Foundation for Science, Technology and Research (Deemed to be University),
Vadlamudi-522213, Guntur, Andhra Pradesh, India.