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GIAN - Course Coordinator

Dr. Jitendra Chimakurthy, HoD,
Pharmaceutical Sciences

Registration Fee – Participants from

- Abroad: \$100;
- Research Organization / Industry:
Rs. 5000;
- Faculty / Research scholars /
students: Rs.1000.
(This includes only academics).

Fee should be paid online

Name of the A/c : **VFSTR Miscellaneous**

Branch: **Vadlamudi**

Account no: **21890210000151**

IFSC Code: **UCBA0002189**

PhonePe / Google Pay : **9700240791**

Accommodation : Will be provided on prior request on separate payment basis in students hostels.

Eligibility : Students of M.B.B.S, B & M.Pharm, B.D.S, M.V.Sc, M.Tech, and M.Sc (Lifesciences), Biomedical and PhD. Faculty and Researchers from academia and industry.

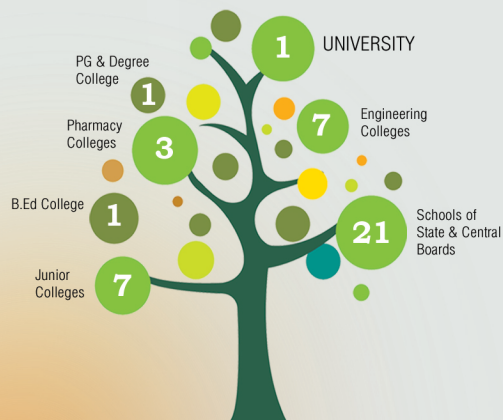
Registration process :

Participants should visit and register at online registration portal of MHRD GIAN : gian.iitkgp.ac.in/GREGN/index

Contact

Any query regarding the course may be directed to course coordinator
e-mail : gianvfstr@vignan.ac.in
Tel : +91-863 2347700 / 69
Mob : +91-9866394437
www.vignan.ac.in

Course duration : 5 days
(3rd – 7th August, 2020)



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
-Estd. u/s 3 of UGC Act 1956

NAAC 'A'
Accredited

Vadlamudi, Guntur - 522 213. Andhra Pradesh.



MHRD Sponsored
Global Initiative of Academic Networks



A short term course on ROLE OF BIOMARKERS IN DISEASE DIAGNOSIS

3rd - 7th Aug, 2020

Venue: Sravanthi Seminar Hall, H-Block, VFSTR



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Vadlamudi, Guntur - 522 213. Andhra Pradesh, India. Tel : +91-863 2344700 Extn : 419

About the VFSTR

Located in a serene suburb of Guntur at Vadlamudi in the state of Andhra Pradesh. Vignan's Foundation for Science, Technology and Research (VFSTR) (deemed to be University), the flagship institution of the Group offers quality academic programmes, innovative leadership development opportunities. The University strives to make the experience of each student a transformative one. It is NAAC accredited with an 'A' grade and NIRF 88 by Govt. of India.

About the Department of Pharmaceutical Sciences

Provides a premier professional education program leading to the award of Bachelor of Pharmacy coupled with programs that impart professional competence and is committed to prepare future pharmacy leaders with essentials to thrive as successful individuals in the pharmaceutical sector. It also provides them with the tools necessary to practice in different roles for developing and maintaining research in the formulation, analysis, clinical, regulatory, management and discovery sciences by implementing new knowledge and approaches for enhancing health care, patient oriented care and services. Interdisciplinary activities are encouraged taking the advantage of various specialities in the University such as Biomedical Engineering, Biotechnology, Electronics and Communication Engineering and Computer science engineering.

About the Course

The Diagnosis of disease has become a major challenge in today's diverse factors involved in their occurrence. Lack of efficient system of diagnosis is increasing the overall cost of the treatment and is causative of unprecedented effects. Biomarkers are one such molecules that can detect a disease or denote the susceptibility to any, they play an important role in not only detection of a disease but also in the estimating the progress and evaluation of the treatment by and efficacy it is very essential to delineate the subset of biomarkers for individual diseases based on their significance and ease of identification.

This course highlights various disease related and drug related biomarkers and gives insights on classification of biomarkers and their application, role in applied medicine, drug development, requirements for an ideal biomarker, techniques for identification of biomarkers, introduction about imaging biomarkers and with elaborate emphasis on biomarkers for different diseases.

The Course Objectives

- ✓ To understand the concept of role of biomarkers in disease diagnosis
- ✓ To impart knowledge of biomarker assay techniques for drug discovery
- ✓ To implement the knowledge of biomarkers in designing the dose of drugs.
- ✓ To understand the role of proteins as biomarkers
- ✓ To give awareness on softwares used to correlate Biomarker concentrations with disease progression

Topics Covered

- Importance of Biomarkers in current clinical practices
- Genetic Markers
- Biomarker Proteins
- Biomarker assays
- Imaging biomarkers
- Bioethical aspects of research on biomarkers
- Biomarkers in Neurological disorders
- Biomarkers in Cardiovascular disorders
- Biomarkers in Metabolic Disorders
- Knowledge of biomarkers for designing of dose and dosage forms
- Softwares for determining disease progression

About the Faculty

Dr. Daniel Petrovic, MD, PhD., Professor and Chief of the Institute of histology and embryology, Faculty of Medicine, University Ljubljana, Slovenia. He is the member of Medical Chamber of Slovenia, Cardiological Society of Slovenia, European society of Cardiology, Slovenia Society of Human Genetics and of European Society of Human Genetics. He is a Fellow of European Society of Cardiology). Formerly, he is a member of the Expert Council for Science and Technology in the Ministry of Higher Education, Government of Slovenia. With an H-index of 26 and more than 100 research publications, his areas of research expertise are cardiology, genetics, gene polymorphisms, diabetes, microvascular and macrovascular complications.

Dr. Borut Peterlin MD, PhD., Chief of Clinical Institute of Medical Genetics, University medical Center Ljubljana, Slovenia. He is a member of Board of Member states for European reference Networks, European Commission, Neurogenetics panel of European Association of Neurology. As a Professor of Human Genetics in University of Ljubljana and as a visiting professor in Universities of Belgrade (Serbia), Osijek and Rijeka (Croatia), he had published more than 200 research papers and has an H-Index of 35. His areas of research are Genetic biomarkers and Genetics in Diagnostics.

Dr. Jithendra Chimakurthy, M.Pharm, PhD., Professor and Head of the Department of Pharmaceutical Sciences in the Vignan's Foundation for Science, Technology and Research (Deemed University), Guntur, Andhra Pradesh is the member of many professional bodies. His research expertise involved identification of role of biological markers involved in neurological and behavioral disorders such as seizures, Anxiety, etc. His expertise in pre clinical screening models of behavioral and neurological disorders, diabetes and inflammation had lead to collaborate with various researchers within and out of India. With more than 20 research publications and an H-index of 7, he had organized various programmes funded by AICTE, DST, ICMR etc.

