

Guest Lecture by Industrial Expert on Genetic Engineering (#) and Molecular Biology Course (#)

Date: December 12th 2019 (Thursday)

Time: 10:00am-11:30am

Topic: **Industry Perspective on Genetic Engineering and Molecular Biology: New Trends in Pharma and Biotech**

Presenter: Dr. RameshBabu Boga, Ph.D., President,
BogaR Laboratories LLC, USA

Dr. RameshBabu has received his Ph.D., from Indian Institute of Technology (IIT, Madras), Chennai and spent 25+ years abroad and worked in various institutions of academic and pharma and diagnostic industry. He has expertise in Organic Chemistry, Biochemistry, Medicinal Chemistry, and Clinical Chemistry. Dr. Ramesh has several publications and patents to his credit. Now, he is an entrepreneur cum scientist and runs a CRO company and supporting various companies for drug discovery and diagnostic development. His current focuses are promotion of science and its importance to younger generation in India by visiting various universities/institutions and also involving more of the industry-academic collaborations.

Presentation Abstract:

In the lecture, the role of genetic engineering and molecular biology in pharma and biotech industries will be discussed. Brief overview of new developments of PCR techniques and gene-editing technologies are highlighted. In addition, new drug discovery based on DNA-encoded chemical libraries (DECL), PCR and gene-editing technologies will be presented. Find out how you can benefit by choosing this course in your professional career by learning genetic engineering and molecular biology techniques that are utilized in drug discovery.

The presentation will be followed by interactive discussions and Q&A.

Learning Objectives

- Understand the importance and role of molecular biology in pharma and biotech industries.
- Learn newer technologies of molecular biology and biophysical techniques in drug discovery.