

# HANDS-ON-WORKSHOP

---

Three Days Workshop

on

**“Emerging Techniques of Microbiology”**

05 April - 07 April 2019

@

CytoGene, Lucknow



**CYTOGENE RESEARCH & DEVELOPMENT**

---

2<sup>nd</sup> Floor, B-1655, Indira Nagar, Lucknow

+91-77-0309-5555 (Workshop) +91-77-0309-6666 (Hostel) [cytogenernd@gmail.com](mailto:cytogenernd@gmail.com)

[www.cytogene](http://www.cytogene)

## ***1. The concept behind:***

This workshop designed to give participants a combination of lectures and hands on laboratory experience using various techniques. The Hands-on exposure of Microbiology will help in developing a fast, qualitative and specific technique for the detection and classification of microorganisms. Just like other scientific study, the continuous study of microbiology has been coincidental with the emergence of new ideas, methods and technologies. As a scientific discipline, which studies organisms unseen by the human eyes, microbiology has also developed in line with advancements in microscopic technology, as well as different antimicrobial assay methods, antagonistic activities, and biofilm formation ability of a microbe. There are many such emerging techniques that are still under research to study the nature and activities of the microbes.

## ***2. Objectives of the Workshop:***

*The workshop aims at exposure of faculty member / researchers to basics of instruments, its working & application. It will provide the delegates a platform to learn the emerging Techniques that are related to the field of microbiology. Variety of antimicrobial methodologies, antagonistic activities, biofilm forming ability, analysis of antibiofilm activity of a particular nanoparticle, Minimum Inhibitory Concentration and Minimum Bactericidal Concentration are the topics that will be dealt in this workshop.*

### ***The broad objectives of the workshop are:***

- a) Knowledge about different antimicrobial assay techniques.*
- b) Experimentally determine the antagonistic activity of the isolate.*
- c) Demonstrate Biofilm ability of the microbe as well as antibiofilm ability of a particular nanoparticle.*
- d) Practical validation of the MIC and MBC ability of the nanoparticle against the microbes.*

## **2. About the Hosting Institution:**

*CytoGene Research & Development, Lucknow is an autonomous Registered organization by Ministry of corporate affairs, Government of India under section 12(1) of LLP Act 2008 & Certified by ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2008. It facilitates Testing & Training services in various domains of Life Sciences. In the year 2011 CytoGene has officially comes to an existence with its Division of Microbiology followed by the establishment Biotechnology, Molecular Biology, Biochemistry, Food Technology, Immunology, Recombinant DNA Technology and Bioinformatics. Recently CytoGene has extended services in core testing services with establishment of fully equipped Laboratories.*

## **3. Who Should Participate?**

*Under-Graduate Students*

*Post-Graduate Students*

*Research Scholars*

## **4. Registration Fee:**

*Till 10 March- Rs. 1000/- per candidate*

*Till 20 March- Rs. 1500/- per candidate*

*Till 30 March- Rs. 1800/- per candidate*

## **5. How to register:**

### **Online:**

- Visit to [www.cytogene.in](http://www.cytogene.in)*
- Click on Register Now*
- Sign up With Name, Mob no & DOB*
- Login and fill the Workshop Form*
- Click on Online Fee*
- Proceed for Payment by Credit/Debit/Paytm card.*

**Offline:**

Download from news & event of [www.cytogene.in](http://www.cytogene.in) and fill the form

**Fee payment:** Deposit/Transfer to our Current A/C:

CytoGene Research & Development LLP

Union Bank of India

522601010036489

UBIN0552267

Indira Nagar, Lucknow

**Send the duly filled registration form and payment slip by:**

Email to [cytogenernd@gmail.com](mailto:cytogenernd@gmail.com)

Whatsapp to 77-0309-2222

**6. Important Dates:**

Date of Notification: **31<sup>st</sup> January, 2019**

Start of registration: **01<sup>st</sup> February, 2019**

Last date of Registration (Without late fee): **10<sup>th</sup> March, 2019**

Last date of Registration (With late fee): **30<sup>th</sup> March, 2019**

Date of Commencement of the workshop: **05<sup>th</sup> April, 2019**

**7. Maximum No of Seat: 20**

**8. Contact person:**

Er. Sujeet Kumar Singh (Director)

CytoGene Research & Development, Lucknow

[cytogenernd@gmail.com](mailto:cytogenernd@gmail.com)