Workshop on CRISPER -9 Technology

Date: - 25th& 26 February 2019

Place: - Smart Class, Department of Boatny

Purpose of Workshop: - Known about the bacterial immune systems as a defence mechanism against invading phages/viruses by the DNA Sequence (Genome).

Outcome of the Workshop: - Invasion by any virus, a bacterium's defence system creates unique repeated sequences of DNA with short sequences of spacers. Identify the defence mechanism of immune systems.

About Workshop: - Crisper-9 technology workshop held on 25th& 26th February 2019 organised by department of botany, jointly organized by Department of Botany & Biotechnology. Dr. Ankit Singh, Assistant Professor, (IIT-Kharagpur) Jamia- Milia University, New Delhi a chief spokeperson of workshop. Basically CRISPR is the acronym for 'clustered regularly interspaced short palindromic repeats'. The technology is a targeted tool used to edit genomes with unparalleled precision, efficiency, and flexibility. While many of us might think that CRISPR was discovered by humankind, this is not the case. CRISPR has in fact long been part of bacterial immune systems as a defence mechanism against invading phages/viruses. Upon invasion by any virus, a bacterium's defence system creates unique repeated sequences of DNA with short sequences of spacers. These spacers are derived from the DNA of viruses after their first bacterial attack. 60 students participated in this workshop. All practical examination & theory lecture organized in practical labs. Dr. Ankit Singh Associated with IIT-Karagpur.

National Level Competition For Bio- Science Students

In Association with ECell Fest (IIT Kharagpur Event)

Organized by Department of Botany and Biotechnology,
Govt.V.Y.T.PG. Autonomous College

Workshop Details

Topic : Genetic Modification of desired genes using CRISPR technology(GENE editing tools and salient features)

Date : 25th - 26th February 2019

Registration Fee - Rs 1150/-

Highlights

1. Industry Experts as Trainers.
2. All Participants will receive Prize and Certificate in each round
3. Competition to be conducted at the end of the workshop on the second day to select top 5 students.
4. Five selected students would be participating in finale round at IIT Campus.
5. Internship assistance for all participants.

Round of Selection

1st Round:

Govt.V.Y.T.PG. Autonomous College Durg Chhattisgarh Inida

2nd Round:

IIT Kharagpur

Venue : Govt.V.Y.T.PG. Autonomous College Durg Chhattisgarh Inida

Faculty Co-ordinators : Dr Ranjana Shrivastava (9479227004)
Dr. Anil Kumar (9827491253)

Student Co-ordinators : Mr.Ratnakar Upadhaya (9479075400)
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