





Kanoria
PG Mahila
Mahavidyalaya
Jaipur

22. Hands on Workshop on Tools and Techniques in Molecular Biology

Date: 19-09-2019 to 20-09-2019

1. Brochure:

 **Seminal**
Applied Sciences Pvt. Ltd.
ISO-9001 2008 - Certified Company



Hands-on workshop on tools and techniques in molecular biology

Dear Students.

We are pleased to inform you that "Department of Zoology, Kanoria PG Mahila Mahavidyalaya, Jaipur" is going to organize two days (19th and 20th September, 2019) "Hands-on workshop on tools and techniques in molecular biology" in association with Seminal Applied Sciences Pvt. Ltd. Jaipur for PG students.

Registration is mandatory for all students.

Dr. Anita Gajraj
(Coordinator)

Dr. Ratna Saxena
(Head & Convenor)

Department of Zoology
Kanoria PG Mahila Mahavidyalaya, Jaipur

2. List of resource person/guests:


1. Dr. Ajit Kumar, Director, Seminal Applied Science Pvt. Ltd.



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3. Geotagged photograph of the event:



 26.88593, 75.81189

Dr. Ajit Kumar Elaborating on Techniques in Molecular Biology



 26.88593, 75.81189

Participants Undergoing Training

Report on

“Hands-on Workshop on Tools and Techniques in Molecular Biology”

A two-day “Hands-on Workshop on Tools and Techniques in Molecular Biology” was conducted on 19th and 20th September, 2019 by Department of Zoology in association with Seminal Applied Sciences Pvt. Ltd., Jaipur for PG students.

The main objective of the workshop was to familiarize students with various techniques of molecular biology. It also aimed to teach students to work with instruments used in Molecular Biology to get hands-on experience.

Although students learn about PCR, Gel Electrophoresis theoretically but knowledge is not fully comprehended until its concepts are cleared through hands-on experience. Keeping the above fact in mind, practical session on PCR and Gel Electrophoresis was carried out on first day of workshop i.e. 19th September by Dr Ajit Kumar (Director, Seminal Applied Science Pvt. Ltd).

PCR is shorthand for a simple but very useful procedure called Polymerase Chain Reaction. It is a technique used to amplify segments of DNA of interest to produce millions of copies. Each student got an opportunity to operate PCR device. On the same day practical session was also held on another important technique called Gel Electrophoresis. This technique is used to separate DNA fragments according to its size. After practical demonstration students practiced on their own on the instrument.

On second day i.e. 20th September practical session was conducted at Seminal Applied Science Pvt. Ltd. institute on HPLC. High Performance Liquid Chromatography is a technique which is used to separate and quantify complex mixtures. Students learnt about methodology and applications of HPLC.

The workshop catered to the need of the students and also proved to be very fruitful and beneficial to get hands-on experience on various Molecular Biology techniques which contributed to maximize their learning.

Seema
PRINCIPAL
KANORI PG MAHILA H.
JAIPUR