



**HANDS ON TRAINING PROGRAMME  
ON  
“MOLECULAR DRUG DISCOVERY  
AND DISEASE BIOLOGY”**

**(22-24 MARCH, 2019)**

**Sponsored from UGC XII plan grant**

**Conducted at:  
School of Biotechnology  
Devi Ahilya University, Indore**

**Head  
Dr. Anjana Jajoo**

**Coordinator  
Dr. Hamendra Singh Parmar**

## **Program Schedule**

### **Day 1 (22.03.2019)**

**11:00 AM: Welcome Speech by Dr. Anjana Jajoo (Head Biotechnology).**

**11:15 AM: Program briefing by Dr. H.S. Parmar (Program Coordinator).**

**11:30 AM: Lecture on “Development of *in vivo* disease models” by Dr. H.S. Parmar.**

**1:00 PM: Video protocols to develop animal models of various diseases.**

**1: 45 PM: Lunch Break (Venue will be at First floor ICH, DAVV).**

**2:30 PM: Lecture on “Drug design, discovery process and pharmacokinetic and dynamic studies” by Dr. E. Manivannan, Assistant Professor, School of Pharmacy.**

**4:00-6:00 PM: Live demonstration & practice of ongoing *in vivo* studies.**

### **Day 2 (23.03.2019)**

**10:00 AM: Practical session on disease model development *in vivo*.**

**12:00 Noon: Practical session on neuro-behaviour studies.**

**1: 45 PM: Lunch Break (Venue will be at First floor ICH, DAVV).**

**2:30-6:00 PM: Intermittent variables study for drug efficacy evaluation.**

### **Day 3 (24.03.2019)**

**10:00 AM: Practical on *in vitro* efficacy evaluation of potential drug candidates.**

**1: 45 PM: Lunch Break (Venue will be at First floor ICH, DAVV).**

**2:30-5:00 PM: Study of end variables to measure disease phenotype and/ or drug efficacy.**

**5:15 PM: Feedback from participants.**

**5:15 PM: Certificate distribution.**

**5:30 PM: Short creative performances (dance, poetry, comedy, acting, singing etc.) by interested participants, if any.**

**6:30 PM: High-Tea.**