

**TRAINING WORKSHOP ON BASIC BIO-  
METHODOLOGY OF LABORATORY MICE AND RATS**

**February 11 - 15, 2020  
at NCBS-TIFR, Bengaluru**

**Workshop Program Schedule**

# DAY 1: February 11, 2020

## VENUE - RASPURI

- 9.00 – 9.30 AM Workshop Registration
- 9.30 – 10.00 AM Introduction to the Workshop  
**Dr. G. H. Mohan**, M. V. Sc., Scientific Officer 'F', Animal Care and Resource Centre, National Center of Biological Sciences – TIFR, Bengaluru
- 10.00 – 11.00 AM Animal Ethics and CPCSEA Guidelines  
**Dr. Kripali Pande**, Expert Consultant, CPCSEA, New Delhi
- 11.00 – 11.20 AM COFFEE/TEA BREAK
- 11.20 – 12.30 PM 3Rs – Concept in Laboratory Animal Experimental Designing  
**Dr. S.G. Ramachandra**, M V Sc., PhD. Chief Research Scientist, Central Animal Facility, Indian Institute of Science, Bengaluru
- 12.30 – 1.30 PM LUNCH
- 1.30 – 2.30 PM Tour of NCBS Vivarium 2 (High Barrier SPF Mouse Facility)
- 2.30 – 3.30 PM Demonstration and Hands On Practice Of Mice Handling And Restraining Techniques, Sexing, Animal Identification Method
- 3.30 – 4.00 PM TEA/COFFEE BREAK
- 4.00 – 5.30 PM Continue hands on practicing

## DAY 2: February 12, 2020

### VENUE - RASPURI

- 9.00 – 10.00 AM**      **Biology and Husbandry of Laboratory Mice and Rats**  
**Dr. G. H. Mohan**, M. V. Sc., Scientific Officer 'F', Animal Care and Resource Centre, National Center of Biological Sciences – TIFR, Bengaluru
- 10.00 – 11.00 AM**      **Fundamentals of Laboratory Animal Nutrition**  
**Dr. Yogesh C**, M. V. Sc., Laboratory Animal Veterinarian, Animal Care and Resource Centre, National Center of Biological Sciences – TIFR, Bengaluru
- 11.00 – 11.20 AM**      **COFFEE/TEA BREAK**
- 11.20 – 12.30 PM**      **Laboratory Animal Modern Housing System in SPF Animal Facilities**  
**Carlo Demalde**, Tecniplast, Italy
- 12.30 – 1.30 PM**      **LUNCH**
- 1.30 – 2.30 PM**      **Tour of NCBS Vivarium 1 (High Barrier SPF Rat Facility)**
- 2.30 – 3.30 PM**      **Demonstration and Hands on Practice of Rat Handling and Restraining Techniques, Sexing, Animal Identification Methods**
- 3.30 – 4.00 PM**      **TEA/COFFEE BREAK**
- 4.00 – 5.30 PM**      **Continue hands on practicing**

## DAY 3: February 13, 2020

### VENUE - RASPURI

- 9.00 – 10.00 AM Health Monitoring and Quality Control Measures in SPF Animal Facilities  
**Dr. R. K. Shaktidevan**, M.V.Sc, Ph.D (Pharmacology & Toxicology),  
Principal Scientist - Veterinary Science at Biocon Bristol Myers Squibb  
R&D Center (BBRC), Syngene International Ltd, Bangalore
- 10.00 – 11.00 AM Sterilization and Disinfection in Lab Animal Facilities  
**Dr. Shwetha Reddy R V**, M.V.Sc., Laboratory Animal Veterinarian, Animal  
Care and Resource Centre, National Center of Biological Sciences – TIFR,  
Bengaluru
- 11.00 – 11.20 AM COFFEE/TEA BREAK
- 11.20 – 12.30 PM Laboratory Animal Import and Quarantine Procedures in India  
**Dr. G. H. Mohan**, M. V. Sc., Scientific Officer 'F', Animal Care and  
Resource Centre, National Center of Biological Sciences – TIFR, Bengaluru
- 12.30 – 1.30 PM LUNCH
- 1.30 – 3.30 PM Demonstration and Then Followed By Hands On Practice Of Different  
Routes Of Injection/Dosing In Mice And Rats
- 3.30 – 4.00 PM TEA/COFFEE BREAK
- 4.00 – 5.30 PM Continue hands on practicing

## DAY 4: February 14, 2020

### VENUE – RASPURI

- 9.00 – 10.00 AM**    **Anesthesia, Analgesia and Perioperative Care in Laboratory Animal Surgery**  
**Dr. Ramesh S**, M. V. Sc., Ph. D., Professor and Head, Laboratory Animal Medicine, TANUVAS, Chennai
- 10.00 – 11.00 AM**    **Biosafety and Occupational Hazards in Animal Facilities**  
**Dr. Samarendra Narayanan**, M.V.Sc. Ph.D, Lt. Col.(Retd), Consultant Bioscience, Bengaluru
- 11.00 – 11.20 AM**    **COFFEE/TEA BREAK**
- 11.20 – 12.30 PM**    **Accreditation of Laboratory Animal Facilities in India**  
**Dr. Samarendra Narayanan**, M.V.Sc. Ph.D, Lt. Col.(Retd), Consultant Bioscience, Bengaluru
- 12.30 – 1.30 PM**    **LUNCH**
- 1.30 – 3.30 PM**    **Demonstration and Then Followed by Hands On Practice Of Blood Collection Techniques, Anesthesia, Analgesia, Euthanasia Methods, Biopsy Collection For Genotyping Purpose, Different Organ /Tissue Collection Methods In Mice**
- 3.30 – 4.00 PM**    **TEA/COFFEE BREAK**
- 4.00 – 5.30 PM**    **Continue hands on practicing**

## **DAY 5: February 15, 2020**

### **VENUE – RASPURI**

- 9.00 – 10.00 AM**      **Monitoring and Maintaining Genetic Quality in Laboratory Mice Colonies**  
**Dr. Aurelie Jory (Lily)**, PhD, Director, Mouse Genome Engineering Facility (MGEF), National Center of Biological Sciences – TIFR, Bengaluru
- 10.00 – 11.00 AM**      **Introduction to the Mouse Genome Engineering Facility**  
**Dr. Aurelie Jory (Lily)**, PhD, Director, Mouse Genome Engineering Facility (MGEF), National Center of Biological Sciences – TIFR, Bengaluru
- 11.00 – 11.20 AM**      **COFFEE/TEA BREAK**
- 11.30 – 12.30 PM**      **Demonstration and Then Followed by Hands On Practice of Blood Collection Techniques, Anesthesia, Analgesia, Euthanasia Methods, Biopsy Collection For Genotyping Purpose, Different Organ /Tissue Collection Methods In Rats**
- 12.30 – 1.30 PM**      **LUNCH**
- 1.30 – 3.30 PM**      **Evaluation**
- 3.30 – 4.00 PM**      **TEA/COFFEE BREAK**
- 4.00 – 5.30 PM**      **Discussion, certificate distribution and closing remarks/feedback!**