# Application form for "WORKSHOP ON LABORATORY ANIMAL HANDLING"

1. Full Name (in block letter) :
2. Designation and Department :
3. University/College/Institute :
4. Address :
5. Contact number :
6. Email id :
7. Reason for your interest in attending the workshop:

Date: Signature of the applicant

8. Recommendation and signature of Head of the department or Supervising Teacher:

Date Signature & Designation

## Organizing Committee

1. **Dr. Mini S**
   Chairperson & Head
2. **Dr. Soumya N.P**
   Organizing Secretary
3. **Dr. Annie Abraham**
   Professor & Research Director
4. **Dr. M. Indira**
   Emeritus Scientist
5. **Dr. Annie John**
   Emeritus Scientist
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9. **Dr. P.G. Biju**
10. **Mr. Rajesh Kumar. K**
11. **Dr. Sowmya Soman**
12. **Dr. Soumya M.S**
13. **Dr. Josna Joseph**
14. **Dr. Pradeep Kumar R**

# Workshop On LABORATORY ANIMAL HANDLING

## 25-27 September, 2018

UNIVERSITY OF KERALA

क्रमेण व्यज्यते प्रज्ञा

**Department of Biochemistry**

University of Kerala, Kariavattom Campus
Thiruvananthapuram

**Background**

Animal research had played a vital role in many scientific and medical advances of the past century and continues to aid our understanding of various diseases. Scientists use experimental animals to learn more about health problems that affect both humans and animals, and to assure the safety of new medical treatments. Animals make good research subjects for a variety of reasons. Animals are biologically similar to humans and are susceptible to many of the same health problems, and they have short life-cycles so they can easily be studied throughout their whole life-span or across several generations. In addition, scientists can easily control the environment around the animal (diet, temperature, lighting, etc.), which would be difficult to do with people.

Genetic and physiological similarities between humans and animals provide researchers with irreplaceable and invaluable insights into how human systems might react to a drug or treatment. Once it has been determined that the use of animals is necessary and there is appropriate justification for the number requested, and the investigator has the responsibility to ensure that the husbandry practices and experimental procedures employed minimize or eliminate physical and/or psychological distress within the limitations imposed by the objectives of the research. The animal's environment affects the animal's health, and therefore, potentially affects the outcome of a study in which they are participating as a model. Control of environmental variables ensures that laboratory animals are provided with the stable living conditions necessary for well-designed research projects.

Hence, it is necessary to develop a utilitarian view by scientist especially young budding researchers toward the care and use of experimental animals. This could be achieved through scientific trainings and workshops to the researchers by integration of basic Three R's principles and various regulations of CPCSEA (Committee for the Purpose of Control and Supervision of Experiments on Animals). Hence, the programme is focused on basic handling and procedures involved in laboratory animals for researchers who have no prior background in animal experimentation. The main objective of the workshop is to train researchers to be skilled and competent in conducting animal research and in promoting the responsible use of animals in biomedical research.

**Objectives**

- To enable the researchers to get accustomed to basic handling techniques of various laboratory animals.
- To familiarize the researchers about the anatomy, physiology and husbandry of various laboratory animals used in research.

Contents

- Use of animals in scientific research
- Ethical considerations and international principles in animal experimentation
- Physiology, Anatomy and Nutrition of lab animals
- Standard Operating Procedures used in Laboratory animal house and zoonotic diseases
- Toxicity studies in Experimental animals
- Experimental animal anesthesia and surgery

**Methodology**

Workshop consists of lectures, hands on practical's and discussions.

**Training fees**

The total programme fees are Rs. 2000/-which include training kit, training manual, refreshment and working lunch. The participants have to bring their own apron for practical sessions. **The training fees should be paid to the treasurer and last date of receiving application is 15th September 2018.** No accommodation shall be provided. No TA&DA will be provided.

**Workshop duration**

The Workshop is for 3days and the number of seats is limited to 40 (Forty only). Participants are requested to register at the earliest as seats are limited and selection will be done on first came first serve basis.

**Who should attend?**

Research scholars, Postgraduate students, Researchers and Faculties of biological and applied science. It is mandatory for all students who have animal experimentation in their research.

**For Further Information, Please contact**


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