

## Organizing Committee

**Chief Patron:** Dr. M. R. Doreswamy, Chancellor,

PES University, Bengaluru.

**Patron:** Prof. D. Jawahar, Pro-Chancellor,

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**Chairman:** Prof. Satyanarayana M. V., Director,

PES University-HN Campus, Bengaluru.

**Vice Chairman:** Prof. Dr. S. Mohan, Dean, PESCP, PES University

**Co-ordinator:** Prof. Dr. J. Saravanan, Principal, PESCP, PESU

**Convener:** Dr. Shivalinge Gowda KP, Prof and HOD, Pharmacology Dept, PESCP. PESU.

## REGISTRATION

Registration can be made by sending the duly filled application form, along with the Reg fee payment receipt/ transaction id (scanned).

**Registration fee-** Rs.1000-00 (UG/PG/PhD students of Pharmacy, Ayurveda, Medical courses. Number of participants is limited to 40.

## Account details for the payment-

**Account name:** PES College of Pharmacy, Bangalore.

**Account number:** 520101000681365 **IFSC Code:** CORP0002018

**Branch:** #2018, Bangalore-Banashankari(773).

**Bank:** Corporation Bank

(Registration fee includes study kit, refreshments and working lunch.)

## ADDRESS FOR COMMUNICATION

Dr. Shivalinge Gowda KP,

Ph- 9740140942, Mail- shivalingegowda@pes.edu

# ONE DAY WORKSHOP CUM HANDS-ON TRAINING ON TECHNIQUES IN EXPERIMENTAL PHARMACOLOGY



## Faculty of Pharmaceutical Sciences

## PES University (HN Campus)

50 feet Road, Hanumanthanagar, BSK1<sup>st</sup>stage,  
Bengaluru-560050

**Thursday, 19<sup>th</sup> December, 2019**

**Venue:** Department of Pharmacology,  
PES College of Pharmacy

## **FACULTY OF PHARMACEUTICAL SCIENCES**

PES College of Pharmacy, a premier institution of pharmacy education in India, started in the year 1982 has developed into a center for advanced studies and research in several areas of Pharmaceutical sciences. The research laboratories, workshops, library of the college are all well equipped with modern facilities suitable for learning and research. This institution now is a constituent department of PES University.

## **DEPARTMENT OF PHARMACOLOGY**

The department of Pharmacology was started in 2005. Subsequently, department grew in several dimensions of academic excellence with time. Department offers M.Pharm (Pharmacology) four semester (two years) course. All the laboratories of the department are approved for carrying out research, leading to M.Pharm by PES University, Karnataka, Bengaluru. The department offers consultancy research projects for various institutions and industry.

## **THE WORKSHOP**

Various such previous workshops were conducted and were found very much helpful, thus much more detailed workshop is organized. This workshop will discuss the modern basic techniques involved in animal experimentation. The workshop will focus on research projects and research avenues in the context of Pre-clinical studies.

## **OBJECTIVE**

1. Introduce the basic techniques involved in the pre-clinical studies.
2. Impart theoretical knowledge on the current techniques involved in the Pharmacology experiments.
3. Present the recent developments in designing the pre-clinical experiments.

## **TOPICS COVERED**

- Animal restraining and routes of drug administration
- Blood sampling techniques, preparation of serum and plasma
- Tissue processing techniques- Preparation of tissue homogenates (PMS)
- Estimation of blood, serum and plasma biomarkers
- Estimation of tissue biomarkers -SOD, catalase,
- Recording of rat ECG and its interpretation.
- Drug absorption studies.
- Induction and measurement of rat paw edema.
- Induction of pyrexia and measurement of rectal body temperature
- Recording of the effects of drugs on isolated tissue.
- Experiments on rabbits

## **SESSION HIGHLIGHTS**

Hands on training on animal restraining, sampling techniques, blood processing, tissue processing, estimation of serum and tissue biomarkers, handling of instruments like homogenizer, micro-centrifuge, semi-auto analyzer, bioassay by interpolation method, estimation of ECG.

**ONE DAY WORKSHOP-CUM- HANDS ON TRAINING ON BASIC  
"TECHNIQUES IN EXPERIMENTAL PHARMACOLOGY"**

**Date-19-12-2019**

**Thursday**

**REGISTRATION FORM**

**Name:-----**

**Designation/Department-----**

**Industry/Institution-----**

**Address for Communication-----**

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**Telephone-----**

**E-mail-----**

**Highest Degree-----**

**Payment Details-----**

**Date-**

**Signature**