

## About Workshop

Isolated tissue bath systems are used for evaluating the concentration-response relationships in a myriad of contractile tissues. This technique has been in play for over a century; the adaptability, simplicity and reliability of this assay helps it to stand out as an indispensable tool for pharmacologists and physiologists alike. Central to the isolated tissue bath assay is the ability to measure concentration-dependent changes to isometric contraction, and how the efficacy and potency of contractile agonists can be manipulated by increasing concentrations of antagonists. Albeit the general principles remain analogous, recent technological advances allow adding more dimensions to the tissue bath assay by incorporating computer-based data recording and analysis software. This workshop will demonstrate the function of the isolated tissue bath to measure the isometric contraction of an isolated smooth muscle and share the types of knowledge that can be created with this technique. ADInstruments Power Lab systems are widely used for recording and analyzing data from experiments using isolated tissues. The aim of the workshop is to provide the trainees with the basic experimental knowledge, procedural skills, professionalism and interpersonal skills required as a specialist in Experimental Pharmacological Research.

## About ADInstruments



Provides computer-based data acquisition systems for research and education. AD Instruments' Power Lab data acquisition systems and choice of Lab Chart, Lab station and Lt software's provide outstanding data acquisition, display, analysis and authoring features for a wide range of life science application. Since 1988, Power Lab systems have been used for data acquisition and analysis by the world's best academic, pharmaceutical, government and private organizations.

For more details please visit  
[www.adinstruments.com](http://www.adinstruments.com)

# ONE DAY

# Workshop

ON

Hands on Training on Organ Bath & NIBP  
with Data Acquisition System

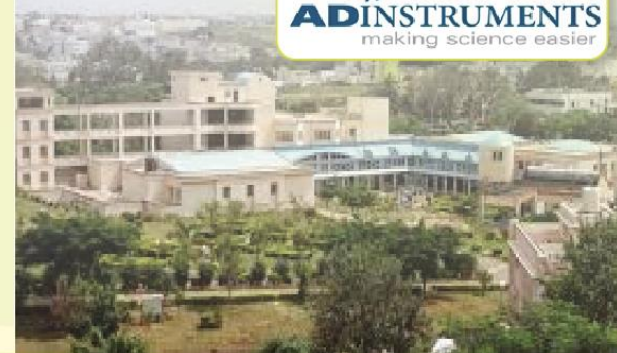
Saturday, 28th March 2020

### Organised by :

Department of Ilmu Advia (Pharmacology)  
National Institute of Unani Medicine, Bengaluru,  
Ministry of Ayush, Govt. of India, New Delhi



In association with



## Department of Ilmu Advia (Pharmacology)

National Institute of Unani Medicine (NIUM), Bengaluru, a premier institute and hospital for research and training in Unani medicine in India, is working under the administrative control of Ministry of Ayush, Govt. of India, New Delhi, as an autonomous organization. It was established in 1984 as a joint venture with the Govt. of Karnataka. The vision of this institute is to strengthen and promote excellence in education, research and patient care in Unani medicine. The Department of Ilmu Advia (Pharmacology) is an integral part of National Institute of Unani medicine, Bengaluru. It was established in 2004. A variety of teaching and learning techniques are employed to impart knowledge and skills to students. The infrastructure of the department is well furnished with all modern facilities. The Department laboratories are well equipped with latest instruments and technologies. The Department of Pharmacology has its own well maintained sophisticated animal house facility approved by the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA), New Delhi (Govt. of India) for conducting experiments on Laboratory Animals such as Mice, Rats, Guinea Pigs and Rabbits. Our Institute has Institutional Animal Ethics Committee (IAEC), which is approved by CPCSEA, New Delhi to review and approve the animal-based research proposals and experimentation. Our department goal is to prepare and produce highly knowledgeable and outstanding students for dynamic and successful careers in Pharmacology, Pharmaceutical industry, Academics, R & D, Healthcare and Public sectors related to Unani system of medicine.

### Topics

- Hands on training on Isolated Tissue Studies by using Power Lab® and Organ Bath Systems.
- Hands on training on Blood Pressure by non-invasive method on Rat.
- Hands on training on Rat ECG recording.
- Overview of computer assisted learning software for academics.

### Eligibility

The Workshop is open for Teaching faculty, Research scholars and PG students working on animals, isolated organs/tissues.

### Registration

For registration and other information please contact to Programme Co-ordinator:

**Dr. Nasreen Jahan**  
Email: nasreennium@gmail.com  
Mobile: +91-8088122327

Number of participants are limited to 30  
on first come first serve basis

### Registration Form

Name : \_\_\_\_\_

Qualification : \_\_\_\_\_

College Name & Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mobile No : \_\_\_\_\_

Email : \_\_\_\_\_

Signature of Participant

Forwarded by  
Head of Department or Principle

Signature & Seal