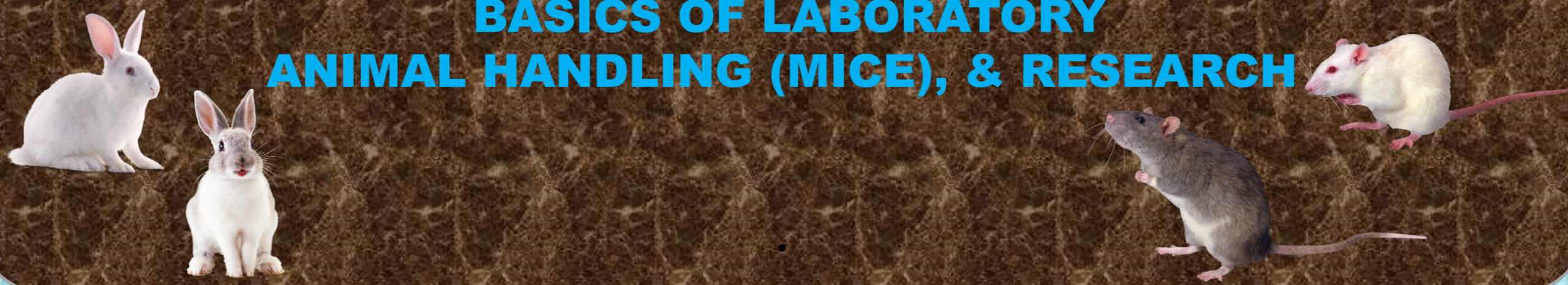


## CERTIFICATE COURSE (HANDS ON TRAINING) ON BASICS OF LABORATORY ANIMAL HANDLING (MICE), & RESEARCH



### About IISER-Kolkata



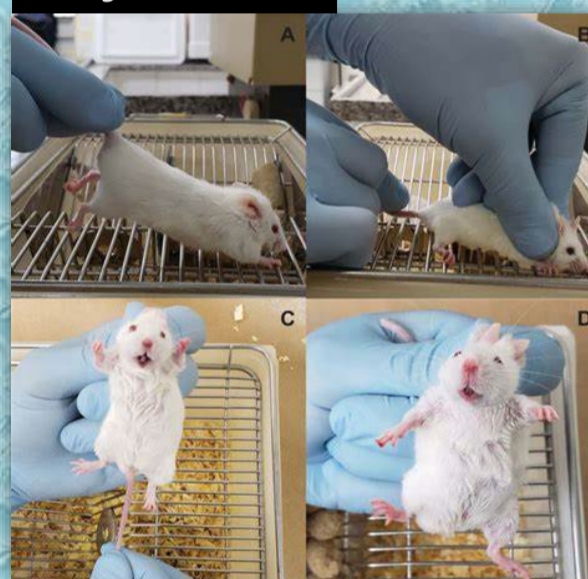
IISER-Kolkata was established in 2006 as autonomous institute for higher education by the Ministry of Education, Government of India. The basic idea of IISER is to create research Universities of the highest caliber in which teaching and education will be totally integrated with the state of the art research. IISER-K has a vibrant campus with strong faculty members of repute and supportive non-teaching staff members. The students pursuing various degrees are among the best in the country and have established a commendable culture.

### About IISER- Kolkata, Animal Facility



IISER-K, Animal Facility is registered by the "Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)", a body of Government of India. The "Institutional Animal Ethics Committee (IAEC)" evaluates and approves all the conduct of animal experiments as per CPCSEA rules & regulations. The Animal facility, facilitates animal research of immune-competence and suppressive small animals under a well established "Animal Bio-Safety Level 2 (ABSL2)" state of the art facility. The facility is well equipped with modern instruments as per scientific standards, well trained Technical Staffs & Scientific Staffs'

### Objectives



The workshop is aimed towards providing hands on training to young students & researchers in "handling small animals (mice), ethics, basics of animal house management, different research methodologies towards animal research & future perspectives of inter-disciplinary & multi-disciplinary research opportunities". In addition, the workshop also aims to put forward an effort in minimizing the gap between inter disciplinary & multi disciplinary research opportunities for the well being of human kind. Participation will enhance knowledge of science and contribute in developing multi dimensional research ideas and opportunities. Participants with a certificate of participation can add to their skills, which can boost up their opening & opportunities abroad for higher studies.

## Training Modules

### Module – 1

- 1) Laboratory Animal Handling (Mice), 2) Care, 3) Ethics, 4) Basics of Animal House Maintenance & Management, 5) ABSL2 Facility Access & Training, 6) Various Animal Models 7) General Anatomy (Demonstration) & Physiology (Theory) 8) Anesthesia 9) Euthanasia 10) Dissection (Mice), 11) Different Routes of Administration (Theory & Demonstration) 12) Instrumentation (Demonstration & Access)

**Number of Days: 5 Days**

**Minimum Eligibility : Admission in Bachelors [Any Disciplines]**

**Intake of Students: 15**

**Registration Fees: Rs 3500/-**

### Module – 2

- 1) Histopathology (Theory), 2) Histopathology Instruments (Access), 3) Dissection (mice) 4) Different Routes of Administration (Hands On) 5) Tissue Harvesting, 6) Tissue Processing, 7) Tissue Molding 8) Tissue Sectioning 9) Tissue Staining (H& E, LFB, IHC & Western Blot), 10) RNA isolation, 11) Protein Isolation & Quantification.

**Number of Days: 7 Days**

**Minimum Eligibility : Admission in Masters [Any Disciplines] Or Completed Module-1 (Certified)**

**Intake of Students: 15**

**Registration Fees: Rs 6000/-**

#### IISER-Kolkata

**Director**  
Prof Sourav Pal

**Animal House Coordinator**  
Prof Jayasri Das Sarma

**Animal House Incharge**  
Prof Rupak Dutta

**Veterinarian In Charge**  
Dr Amirul Islam Mallik

#### HOW TO APPLY ?

**To Apply**  
Visit: IISER Kolkata Website

**Bank A/C: 913010056011865**  
**IFSC Code: UTIB0000481**  
**Name: IISER-Kolkata**

**Contact Email: [animalfacility@iiserkol.ac.in](mailto:animalfacility@iiserkol.ac.in)**

#### Animal Facility Staffs

**Scientist In Charge**  
Dr Subhayan Sur

**Scientific Officer**  
Dr Subhajit Das sarma

**Others Staffs: Manisha Shaw, Akash Das, Kaushik Bhowmik Subhasish Das & Miss Bhaswati Gupta**