

# NeuroTechLab

## Applied Techniques in Neuroscience Research

5th to 9th August, 2024

### ABOUT

The objective of the “**NeuroTechLab**” workshop is to empower participants with the practical skills, theoretical knowledge, and ethical principles necessary to conduct high-quality neuroscience research and contribute to the development of novel treatments and interventions for neurological disorders.

This workshop will provide comprehensive training and hands-on experience in essential techniques and methodologies relevant to neuroscience research through a combination of lectures, demonstrations, and practical sessions.

### HIGHLIGHTS

- Hands-on Training in Essential Neuroscience Techniques
- Expert-led Lectures and Demonstrations
- Practical Sessions for Skill Development
- Networking Opportunities with Peers and Experts

### TOPICS/AREAS COVERED

- Ethics in Animal Research
- Pre-Surgery/pre-operative Preparations for Mouse Survival Procedures
- Survival Surgery Standards- Postoperative
- Anatomy of Brain
- Essentials of Stereotaxic Tools, Injectors, Drills, and Accessories, Plus Workstation Setup
- Utilizing Vernier Scale and Mouse Brain Atlas: A Practical Guide
- Essential Techniques for Properly Positioning Mice in the Stereotaxic Apparatus
- Intracranial Injection and Validation of Lateral Ventricle Targets
- Juglar Vein Cannulation
- Bio methods for Brain Part Harvesting and Whole Brain Extraction
- Collection of Cerebrospinal Fluid (CSF)
- Brain processing, slicing, cutting with Microtome/Cryotome
- Introduction to Multiphoton Imaging
- Various imaging techniques used for neuroscience research

### Target Groups

Veterinarians, medicos, biologists, neuroscientists and other researchers initiating projects based on Neuroscience

### Seats

- **Only 20 seats**
- Registration on first come first served basis

### Workshop Fees

- **Rs 15,000 (inc. GST)**
- Fee is inclusive of course material and working lunch only.
- Participants will have to make their own arrangements for travel and accommodation.

### Registration

- Last Date to register is **31st July**
- Click on the link below or scan the QR code to register

<https://forms.gle/Mjrj2VxPz2FeX9e6A>



### CONTACT

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