NATIONAL BRAIN RESEARCH CENTRE

NAAC Accredited (Deemed to be University & An Institution of Excellence) NH-8, Manesar, Gurugram, Haryana-122 052, India

Neuroimaging Workshop: Clinical and Preclinical Perspectives

8th to 10th December, 2025

ABOUT

The objective of the workshop is to empower participants with the basic knowledge of different Neuroimaging techniques with practical demonstration of neuroimaging data collection for high-quality computational neuroscience research.

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

HIGHLIGHTS

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

TOPICS/AREAS COVERED

- **Ethics & safety in Neuroimaging** – Consent, approvals, and responsible research practices in human and animal studies.
- **Brain Anatomy and Neuroimaging**– Key structural and functional regions relevant to MRI interpretation.
- **MRI & EEG Fundamentals** – Basic principles, signal acquisition, and modality comparisons.
- **MRS & DWI Techniques** – Imaging neurochemistry and white matter microstructure.
- **Multimodal Imaging** – Integrating fMRI, MRS, DTI, and EEG for comprehensive brain mapping.
- **fMRI Design & Analysis** – Task/resting-state paradigms and BOLD signal interpretation.
- **Clinical Applications of MRI** – Insights into neurodegenerative and addictive disorders.
- **Neuroimaging Analysis Tools** – Pipelines (SPM/FSL), BIDS format, and open-science practices.

Target Groups

Researchers in Neuroscience & Biomedical Imaging, Clinician, Radiologist, Psychiatrics, Neurologist, Ph.D scholars, Postdocs, M,Sc/M.BBS students

Awards and Recognition

Best Poster Award

Seats

- Only 50 seats
- Registration on first come first served basis

Workshop Fees

- Students: INR 4000/-,
- Faculty: INR 10000/-
- Industry: INR 15000/-
- Student accommodation is limited and first come first serve basis.

Registration

Last Date : 25th October 2025

Convener

Dr. Ahmad Raza Khan & Dr. Khushbu Agarwal
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