



XLII Annual Conference of Indian Academy of Neurosciences



Dates: November 11 - 14, 2024

Venue : National Institute of Mental Health and Neurosciences (NIMHANS),
Hosur Road, Bengaluru – 560 029, Karnataka, India



On behalf of the Director, NIMHANS, we cordially invite you and your research colleagues for attending the largest annual gathering of neuroscientists in India.

Dr (Ms). Phalguni Anand Alladi, Organizing Secretary, Senior Scientific Officer (Scientist 'F'), Department of Clinical Psychopharmacology and Neurotoxicology, NIMHANS, Bengaluru.

Email: alladiphalguni@yahoo.com

Detailed announcement to follow shortly <http://neuroscienceacademy.org.in/>

Scientific Programme

- Pre-conference workshops
- Plenary sessions
- Symposia
- Panel discussion
- Invited talks and Special lectures
- Young scientist sessions
- Poster sessions





International Conference on

Advances In Mechanisms and Approaches to neuro-Therapeutics (AIM-AT)

AND

XLII Annual Meeting of Indian Academy of Neurosciences 2024

November 12-14, 2024, National Institute of Mental Health and Neurosciences
Bengaluru, 560029, Karnataka, India



Dear Colleagues,

We are pleased to invite you to the National Institute of Mental Health and Neuro Sciences (NIMHANS), Bengaluru, India, for the XLII Annual Meeting of Indian Academy of Neurosciences (IAN). IAN-24 is aimed to be an opportunity to discuss the rapid advances in the field of therapeutics for Neuropsychiatric disorders. As a part of the scientific programme, several leading scientists will deliver plenary and symposia lectures. There will be Orations and Young Scientist Award-Talks too. We assure you of 03 days of exciting scientific events! Several leading International and National scientists have consented to deliver talks on various interesting aspects of Neurosciences.

Welcome to Bengaluru, the Scientific and Technological hub of India!

Conference Venue: NIMHANS Convention Centre, Bengaluru 560029.

Call for Symposia: IAN-24 invites the Academy Members to submit proposals on the following themes:

1. Alcoholism
2. Alternative Model Systems to study CNS – Primates to Yeast, structure and function
3. Applications of Ethnopharmacology in Neuropsychiatric disorders
4. Artificial Intelligence and Machine Learning in Neurosciences
5. Developing Nervous System: Circuitry, Ontogeny and Disorders
6. Effects of Covid-19, Climate change, Heavy Metals and Microplastics on CNS
7. Drug Development and Neurotoxicology
8. Genetics of Neuropsychiatric disorders
9. Insights into Neurodegenerative diseases including Movement Disorders
10. Mechanisms of Learning and Memory and associated diseases
11. Mechanisms of Neuro-infections, Gut brain axis,
12. Neuro-Oncology and Nanotechnology
13. Sleep Biology and Associated disorders
14. Stroke and related mechanisms

The titles are suggestive and in an alphabetical order. The duration of the symposium should be ~ 2h. The proposal should include a write up on the importance of the symposium (~ 500 words), a list of speakers (~ 4 – 5 including 2 from India) along with their tentative titles, consent to participate and publish as abstracts, contact address & emails. The applications may be submitted no later than May 30, 2024 to the Organizing Secretary - Dr Phalguni Anand Alladi, Email: alladiphalguni@yahoo.com and a copy be mailed to Secretary, HQ - Dr Pankaj Seth Email: pseth@nbrc.ac.in. **It will not be possible to accommodate late submissions.**

Contacts: IAN Headquarters:

President: Dr. Vinay Khanna, Chief Scientist & Prof. - AcSIR. Developmental Toxicology Laboratory CSIR - Indian Institute of Toxicology Research, Lucknow; vkhanna1111@gmail.com

Immediate Past President: Prof. IK Patro, Jiwaji University, Gwalior, MP; ishanpatro@gmail.com

Dean: Prof. Rajat Sandhir, Department of Biochemistry, Panjab University, Chandigarh; sandhir@pu.ac.in

Secretary Headquarters: Dr. Pankaj Seth, Sr. Professor /Scientist VII, NBRC Manesar pseth@nbrc.ac.in

Treasurer: Dr. Sourav Banerjee, Dr. Pankaj Seth, Sr. Professor /Scientist VII, NBRC Manesar, sourav@nbrc.ac.in

Organizing secretariat: NIMHANS

Chairperson: Dr. M.M. Srinivas Bharath, Prof. & Head, Dept of Clinical Psychopharmacology Neurotoxicology (CPNT); thathachar2010@gmail.com

Joint Chairperson: Dr. B. Padmanabhan, Prof. & Head, Dept of Biophysics; balapaddy@gmail.com

Scientific Committee Chairs: Dr. Sarada Subramanian, Prof. & Head, Dept of Neurochemistry; sarada@nimhans.ac.in & Dr. Anita Mahadevan Prof. of Neuropathology; mahadevananita@gmail.com

Organizing secretary: Dr. Phalguni Anand Alladi, Scientist 'F', Dept of CPNT; alladiphalguni@yahoo.com

Jt. Organizing secretary: Dr. Bhupesh Mehta, Dept of Biophysics bhupeshmehta@gmail.com



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Pre-Conference Workshops for Early Career Researchers (ECRs) on November 11, 2024:

1) “Basics of Clinics: Interactive tutorials”.

Background: Through this workshop, the participants will have an opportunity to interact with Specialist Clinicians, who will share their insights through some case studies on index diseases like Amyotrophic Lateral Sclerosis, Autism Spectrum Disorders, Alzheimer’s disease, Epilepsy, Multiple Sclerosis and Parkinson’s disease. There would also be an insight into representative case vignettes by Neuropathologists, to demonstrate the pathological aspects.

Number of Participants: 20-25 ECRs

2) Gas chromatography /Mass Spectrometry in Neuro-addiction Toxicology

Dr. Priyamvada Sharma, Associate Professor, Department of Clinical Psychopharmacology and Neurotoxicology, NIMHANS.

Background: Through this workshop, the participants will have an opportunity to learn the principles and practices of Mass Spectrometry as well as demonstrations of the said instruments by eminent scientists in addiction neurotoxicology.

Number of Participants: 10 - 15 ECRs

3) “Drosophila, the easy teacher: Neurogenetic basis of behaviours, from Sleep to Neurodegeneration” *Dr. Sheeba Vasu and Dr. Ravi Manjithaya, Neuroscience Unit, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Jakkur, Bengaluru.*

Background: JNCASR is a multidisciplinary research institute of international repute. Through this workshop, the participants will have an opportunity to learn the basics of Fly as a model for studying neuro-behaviour. They will also learn about the success stories of various Neuroscience research areas which have benefitted using the fly model. They will have exposure to fly husbandry, understanding of circadian rhythm, demonstration of sleep experimental set up and analysis. Assessment of motor behaviours related to neurodegeneration will form the second major part of the workshop.

Number of Participants: 20-25 ECRs

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