



SNCI-2024

XXXVIII Annual Meeting of Society For Neurochemistry (India) and International Conference on

“Innovations and Future Perspectives in Neurochemistry”

26th-28th September, 2024

Venue: Golden Jubilee Hall, Panjab University

DAY 1
September 26th, 2024

8:30 am -
9:30 am

Registration

9:00 am -
9:45 am

Inauguration Ceremony

9:45 am -
10:15 am

Dr. B. Ramamurthy Oration Award

Chairperson: Prof. Amitabha Chattopadhyay, CSIR-CCMB,
Hyderabad, India

“Psyche, soma, spirituality & modern medicine”

Dr. Lokendra Singh, CIIMS, Nagpur, India

10:15 am -
10:45 am

Prof. K Subba Rao Oration Award for Senior Scientist

Chairperson: Prof. M.K. Thakur, BHU, Varanasi, India

*“Metabolomics: Real-world applications in
managing Neurometabolic Disorders”*

Prof. Rita Christopher, NIMHANS, Bengaluru, India

10:45 am -
11:15 am

Plenary Talk

Chairperson: Dr. Rajpal Singh Kashyap, CIIMS, Nagpur, India

*“Cholesterol Sensitivity of a Neurotransmitter G Protein-Coupled
Receptor: Signalling and Endocytosis”*

Prof. Amitabha Chattopadhyay, CSIR Bhatnagar Fellow, CSIR-CCMB,
Hyderabad, India

11:15 am -
11:45 am

High Tea & Group Photo

11:45 am -
12:15 pm

Keynote Lecture

Chairperson: Prof. P. Prakash Babu, UoH, Hyderabad, India

*“Elucidating Cellular & Molecular Mechanisms Underlying Murine
β-Coronavirus-Induced Demyelination & Neuroinflammation:
Parallels with SARS-CoV2”*

Prof. Jayasri Das Sarma, IISER Kolkata, India

DAY 1
September 26th, 2024

Symposium I: Neurobiology of Pain

Chairpersons: **Prof. Shyam S. Sharma**, NIPER Mohali, India & **Prof. Navneet Agnihotri**, Panjab University, Chandigarh

12:15 pm - 12:35 pm
IL 1: "*Targeting Transient Receptor Potential Channels for Neuropathic Pain Treatment*"
Prof. Shyam S. Sharma, NIPER Mohali, India

12:35 pm - 12:55 pm
IL 2: "*Prospective study on the effectiveness of Neuromodulation techniques in the treatment of Vestibular Migraine employing tone burst and click stimulation*"
Dr. Dinesh Bhatia, NEHU, Shillong, India

12:55 pm - 1:15 pm
IL 3: "*Restoring Mitochondrial Health for Diabetic Neuropathy*"
Dr. Ashutosh Kumar, NIPER Mohali, India

1:15 pm - 2:00 pm
Lunch Break

Symposium II: Parkinson's Disease

Chairpersons: **Prof. Rajnikant Mishra**, BHU, Varanasi, India & **Dr. Suhel Parvez**, Jamia Hamdard, New Delhi, India

2:00 pm - 2:20 pm
IL 4: "*Understanding α -Synuclein Oligomer Structure by Raman Spectroscopy*"
Dr. Nakul Chandra Maiti, CSIR-IICB Kolkata, India

2:20 pm - 2:40 pm
IL 5: "*REMS Deprivation & Brain Monoamine Oxidase: Health Implications*"
Dr. Rachna Mehta, Amity University, Noida, India

2:40 pm - 3:00 pm
IL 6: "*Association of Pax6 with Motor Functions in MPTP-treated Mice*"
Prof. Rajnikant Mishra, BHU, Varanasi, India

Symposium III: Neurotherapeutics

Chairpersons: **Prof. Manorama Patri**, CUHP, Dharamsala, India & **Dr. Naveen Gupta**, Panjab University, Chandigarh

3:00 pm - 3:20 pm
IL 7: "*Ashwagandha Bioactives: Molecular Insights*" (Online)
Dr. Renu Wadhwa, AIST Tsukuba, Japan

3:20 pm - 3:40 pm
IL 8: "*Stroke Induces Subcellular Organelle Dysfunction*"
Dr. Venkata Prasuja Nakka, University of Hyderabad, India

3:40 pm - 4:00 pm
IL 9: "*Changing circadian dynamics with Aging and Neurodegeneration: Therapeutic Interventions*"
Dr. Anita Jagota, UoH, Hyderabad, India

4:00 pm - 4:40 pm
Suven Life Sciences Pharma Award for Best Poster Presentation & Networking Tea
Chairpersons: **Dr. Tanzeer Kaur**, Panjab University, Chandigarh & **Dr. Nirmal Prabhakar**, Panjab University, Chandigarh

DAY 1
September 26th, 2024

Symposium IV: Targeting Glioblastomas

Chairpersons: **Dr. Ravi Shankar Akundi**, SAU, New Delhi, India & **Prof. D.K. Dhawan**, Panjab University, Chandigarh

4:40 pm - 5:00 pm	IL 10: " <i>Antibrain Cancer Potential of Emblica officinalis</i> " Dr. Anuradha Sharma , LPU, Phagwara, India
5:00 pm - 5:20 pm	IL 11: " <i>Nanotechnology-Based Therapy for Glioblastoma</i> " Dr. Fahima Dilnawaz , Centurion University, Bhubaneswar, India
5:20 pm - 5:40 pm	IL 12: " <i>Purinergic Receptor Antagonists as Anti-Tumor Agents</i> " Dr. Ravi Shankar Akundi , SAU, New Delhi, India
5:40 pm - 6:00 pm	IL 13: " <i>Neurochemical Signaling in Tumor Microenvironment of Glioblastoma</i> " Dr. Nandakumar Dalavaikodihalli Nanjaiah , NIMHANS, Bengaluru, India
6:00 pm - 6:20 pm	IL 14: " <i>Acid & Alkaline Phosphatase Activity as Biomarkers in Brain Tumor Grading</i> " Dr. M Prabha , RIT, Bengaluru, India
6:20 pm - 6:40 pm	IL 15: " <i>Application and importance of Systematic review and meta-analysis in Experimental & Clinical Research, and Evidence based Medicine</i> " Dr. Amit Pal , AIIMS, Kalyani, India
6:40 pm - 7:00 pm	General Body Meeting
7:00 pm - 8:00 pm	Cultural Program
8:00 pm onwards	Dinner

DAY 2
September 27th, 2024

Venue: Golden Jubilee Hall, Panjab University

8:30 am -
9:30 am **Registration**

9:00 am - **Lifetime Achievement Award of SNCI**
9:30 am Chairperson: **Prof. BN Srikumar**, NIMHANS, Bengaluru, India

Shri Akundi Narayana Murty Memorial Medal for Early Career Scientists
Chairpersons: Dr. M. Varalakshmi, UoH, Hyderabad, India & **Prof VR Sinha**, Panjab University, Chandigarh

9:30 am - *“A mouse model of Parkinson’s disease to evaluate sex differences
9:45 am in the progression”*
Dr. Poonam Thakur, IISER, Thiruvananthapuram, India

9:45 am - *“Walking and Talking Proteins: Role in Trafficking of Nociceptors
10:00 am and Chronic Pain”*
Dr. Vinod Tiwari, IIT-BHU, Varanasi, India

10:00 am - *“Determining ‘Brain Age’ as a Measure of Neuroanatomic and
10:15 am Cognitive Health: Unravelling the Vascular Insults of White Matter
Hyperintensity on Brain Health”*
Dr. Vivek Tiwari, IISER, Berhampur, India

10:15 am - *“Tau-mediated endocytic trafficking of microglial CX3CR1 upon
10:30 am internalization”*
Dr. Subhashchandrabose Cinnathambi, NIMHANS, Bengaluru, India

10:30 am- *“Identification of a new molecular player controlling Huntington’s
10:50 am Disease pathology”*
Dr. Shuvadeep Maity, BITS, Pilani – Hyderabad Campus, India

Symposium V: Mental Health and Aging

Chairpersons: Dr. A.J. Vanisree, Madras University, Chennai, India & **Dr. Aastha Thakkar**, PGIMER, Chandigarh, India

10:50 am- IL 1: *“CXCL10 perpetuates brain aging: implications
11:10 am neurodegenerative disorder”*
Dr. PN Yadav, CSIR-CDRI, Lucknow

11:10 am - IL 2: *“Effects of Finasteride on Learning, Memory and Synaptic
11:30 am Plasticity: Implications for Ageing and Dementia”*
Dr. Bettadapura N Srikumar, NIMHANS, Bengaluru, India

DAY 2
September 27th, 2024

11:30 am – 11:50 am IL 3: “*Amino acid-Peptide-Metal based Theranostic Nanoparticles as Potential Neuroprotective Agents for Alzheimer’s disease*”
Dr. Jiban Jyoti Panda, INST, Mohali, India

11:50 am – 12:10 pm IL 4: “*Neurovascular coupling in treatment resistant depression: Role of nitric oxide*”
Dr. Kalpana Kumari Barhwal, AIIMS-Bhubaneshwar, India

Symposium VI: Cognitive and Behavioural Neuroscience
Chairpersons: Dr. Urmi Chatterjee, University of Calcutta, Kolkata, India **and Dr. Shalmoli Bhattacharya**, PGIMER, Chandigarh, India

12:10 pm – 12:30 pm IL 5: “*Neurophysiological correlates of elevated curiosity-like behavior in adolescence rats predisposed to early life stress*”
Prof. T.R. Laxmi, NIMHANS, Bengaluru, India

12:30 pm – 12:50 pm IL 6: “*Mitochondrial SIRT3 activation by HKL reverses neurodegenerative changes in the hippocampus of moderate grade hepatic encephalopathy*”
Dr. Anamika, Ramjas College, DU, Delhi, India

12:50-1:20 IL 7: “*Role of biomarkers in Neurological Disorders*”
Dr. Karthik Vinay Mahesh, PGIMER, Chandigarh, India

1:20 pm-1:40 pm IL 8: “*LiH:The New Addition to Metabolic Syndrome*”
Dr. Aastha Thakkar, PGIMER, Chandigarh, India

1:40 pm-2:00 pm **Lunch Break**

Symposium VII: Neurobiology of Addiction
Chairpersons: Dr. Preeti Arun, GMCH-32, Chandigarh, India **& Dr. Abhishek Ghosh**, PGIMER, Chandigarh, India

2:00 pm – 2:20 pm IL 9: “*Validation of the Immersive Virtual Reality and Mobile games for Cognitive Assessment: Results from the 82 Young Participants*”
Dr. Veeky Baths, BITS Pilani, Goa, India

2:20 pm – 2:40 pm IL 10: “*Sugar Addiction: Is It for REAL?*”
Dr. Mohit Kumar, NABI, Mohali, India

2:40 pm – 3:00 pm IL 11: “*Your Gut, Your Mood!!!*”
Dr. Urmi Chatterjee, University of Calcutta, Kolkata, India

DAY 2

September 27th, 2024

3:00 pm –
4:15 pm

Dr. G. M. Taori memorial Award for Best Oral Presentation

Chairpersons: **Dr. Vikas Rishi**, NABI, Mohali, India & **Prof. T.R. Laxmi**, NIMHANS, Bengaluru, India

4:15 pm –
4:40 pm

Suven Life Sciences Pharma Award for Best Poster Presentation & Networking Tea

Chairpersons: **Dr. Nitin Singhal**, NABI, Mohali, India & **Dr. Rachna Mehta**, Amity University, Noida, India

Symposium VIII: Neuroinflammation

Chairpersons: **Prof. Dinesh Bhatia**, NEHU, Shillong, India & **Dr. Jyotdeep Kaur**, PGIMER, Chandigarh, India

4:40 pm –
5:00 pm

IL 12: “*17 β -estradiol and testosterone may regulate epilepsy-associated neuroinflammation in anterior temporal lobe and hippocampus of male rats*”

Dr. Amrita Bakshi, Ramjas College, DU, Delhi, India

5:00 pm –
5:20 pm

IL 13: “*Dysregulated Glutamate Trafficking Driven by Neuroinflammation in Major Depressive Disorder*”

Dr. Neelima Dubey, DRILS, Hyderabad, India

5:20 pm –
5:40 pm

IL 14: “*Antiviral and neuroprotective potential of Ocimum basilicum against Japanese encephalitis virus in experimental models*”

Dr. Debapriya Garabadu, CUoP, Bathinda, India

5:40 pm –
6:00 pm

IL 15: “*Olfml3 and Tmem119 could be a new player in microglia functions*”

Dr. Shashank Kumar Maurya, DU, Delhi, India

6:00 pm –
6:30 pm

IL 16: “*Extracellular vesicles and microRNA crosstalk: Modulators of neuroinflammation in HIV-1 and opioid-associated neurocognitive disorders*”

Prof. Shilpa Buch, University of Nebraska, Omaha, USA

8:00 pm
onwards

Dinner

DAY 3
September 28th, 2024

Venue: Golden Jubilee Hall, Panjab University

8:30 am- 9:00 am IL 1: "*Decoding Parkinson's: The Quest for Answers*"
Dr. Wael Mohamed, IIUM, Malaysia

8:30 am- 9:00 am **Registration**

Symposium IX: Clinical Neuroscience

Chairpersons: Dr. Debapriya Garabadu, CUoP, Bathinda, India & **Dr. Indu Verma**, PGIMER, Chandigarh, India

9:00 am – 9:20 am IL 2: "*A Shotgun Metagenomics Sequencing Approach for Studying the Etiology of Undiagnosed Meningoencephalitis Infection in a Tertiary Care Hospital Setting*"
Dr. Rajpal Singh Kashyap, CIIMS, Nagpur, India

9:20 am – 9:40 am IL 3: "*Customized Nanoparticle-Based Strategies For The Management of Neurological Disorders*"
Dr. Rehan Khan, INST, Mohali, India

9:40 am – 10:00 am IL 4: "*Brain Tissue Segmentation from MRI Scans using Artificial Intelligence*"
Dr. Poonam Saini, PEC, Chandigarh, India

Symposium X: Plasticity

Chairpersons: Dr. Shashank Kumar Maurya, DU, Delhi, India & **Dr. Saravana Babu Chidambaram**, JSS College Mysuru, India

10:00 am – 10:20 am IL 5: "*Association Of Dietary Patterns With Cognition And Mental Health: From A Vegetarianism Perspective*"
Dr. M. Varalakshmi, UoH, Hyderabad, India

10:20 am – 10:40 am IL 6: "*New Horizons of Neuronal Optogenetics*"
Dr. Suneel Kateriya, JNU, New Delhi, India

10:40 am – 11:00 am IL 7: "*Synaptic Plasticity in the Epileptic Brain*"
Dr. Pradeep Punnakal, PGIMER, Chandigarh, India

DAY 3
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Symposium XI: Depression and Stress Disorders

Chairpersons: **Dr. Nandakumar DN**, NIMHANS, Bengaluru, India & **Dr. Suneel Kateriya**, JNU, New Delhi, India

11:00 am - 11:20 am IL 8: "*Unravelling the Molecular Nexus of Antenatal Depression and Gestational Diabetes Mellitus*"

Dr. Gokulakrishnan Kuppan, NIMHANS, Bengaluru, India

11:20 am - 11:40 am IL 9: "*Designing of a modified spontaneous alternation behaviour test to study the working memory paradigms*"

Dr. Akash Gautam, UoH, Hyderabad, India

11:40 am - 12:00 pm IL 10: "*Human Microglial Cell Line, Hmc3 Is An Ideal Cellular Model To Investigate Sporadic Amyotrophic Lateral Sclerosis Associated Pathomechanisms*"

Dr. Vijayalakshmi K, NIMHANS, Bengaluru, India

12:00 pm - 12:20 pm IL 11: "*Neuroprogression and accelerated aging in psychiatric disorders*"

Prof. Pawan Kumar Maurya, CUoH, Mahendergarh, India

12:20 pm - 12:40 pm IL 12: "*Myasthenia Gravis: Complications and management*"

Dr. Shripad Patil, NIMHANS, Bengaluru, India

12:40 pm - 1:00 pm IL 13: "*Impact of Social Isolation Stress on Depression and Anxiety-like Behavior in Zebrafish*"

Dr. Sunil Kumar, Amity University, Noida, India

1:00 pm - 2:00 pm **Lunch Break**

Symposium XII : Innovations in Neuroscience

Chairpersons: **Dr. Anant B. Patel**, CSIR-CCMB, Hyderabad, India & **Dr. Vijayalakshmi K**, NIMHANS, Bengaluru, India

2:00 pm - 2:20 pm IL 14: "*Blue Brain*"

Dr. Shyamal Mandal, NEHU, Shillong, India

2:20 pm - 2:40 pm IL 15: "*Amlodipine Prevents Neuronal Cell Death in Zebrafish*"

Prof. Manorama Patri, CUHP, Dharamsala, India

2:40 pm - 3:00 pm IL 16: "*Neurobiology of Opioid Use Disorder*"

Dr. Abhishek Ghosh, PGIMER, Chandigarh, India

DAY 3
September 28th, 2024

3:00 pm –
3:20 pm

IL 17: “*Alzheimer’s disease: reactive astrocytes play a key role in disease pathogenesis*”

Dr. Subhash C. Biswas, CSIR-IICB, Kolkata, India

3:20 pm –
3:40 pm

IL 18: “*Prenatal VPA instigated mitochondrial damage resulting in autism-like phenotype and its mitigation by bioflavonoid*”

Dr. Mani Chopra, PU, Chandigarh, India

3:40 pm –
4:00 pm

IL 19: “*Identification of autism disorder using EEG signals*”

Dr. Padmavati, PEC, Chandigarh, India

4:00 pm –
5:00 pm

Valedictory Session, Prize Distribution and Vote of Thanks

