

() Uday Samudra Leisure Beach Hotel, Kovalam, Thiruvananthapuram

Schedule

Pre-conference workshops: 27-10-2025 to 28-10-2025

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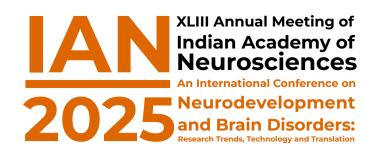
Time	Hall 1	Hall 2
09:00-18:00	Workshop 1	Workshop 2
	Advances in Confocal Microscopy	Single-Cell Sequencing: Library Preparation
		and Data Analysis

Day 1: 29-10-2025

Outline Uday Samudra Beach Hotel, Kovalam

Time	Hall 1 (Vizhinjam)	Hall 2 (Light House)
09:00	Registration	Tidii 2 (Light House)
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11:30-12:45	Inauguration and IAN Update: Welcoming New	
	Fellows	
12:45-13:45	Lunch	
14:00-15:00	Keynote Talk	
	Speaker: Stéphanie Baulac , Paris Brain Institute	
	(ICM), Paris, France	
	Title: Brain Mosaicism in Epilepsy and Cortical	
	Malformations	
45.00 45.45	Chairperson: Shubha Tole, TIFR, Mumbai Prof. B. K. Bachhawat Memorial Lifetime	
15:00-15:45	Achievement Award Lecture	
	Speaker: B N Gangadhar, NIMHANS, Bengaluru	
	Title: Neurobiological evidence for yoga in	
	depression	
	Chairpersons: Vinay K Khanna, CSIR-IITR,	
	Lucknow;	
	Akshay Anand, PGIMER, Chandigarh	
15:45-16:15	Tea	
16:15-18:45	Symposium I	Symposium II
	Circuits, Synapses and Plasticity- I	Mechanisms underlying neurodegenerative
	(supported by ISDN)	<u>disorders - AD</u>
	Chairpersons: Deepak Nair, IISc, Bengaluru;	Chairpersons: Pankaj Seth, BRIC-NBRC,
	Ratna Sircar, Albert Einstein College of Medicine,	Manesar;
	NY, USA	Mehdi Hayat, AMU, Aligarh
	16:15-16:45	16:15-16:45
	Aurnab Ghose, IISER, Pune	Arun Upadhyay, IIT, Bhilai
	Title: Branching out: Novel cytoskeletal	Title: Mapping early interaction partners of Aβ42
	mechanisms regulating axon collateral branching	using metabolic labelling
	16:45-17:00	16:45-17:15
	Short talk: Gargi Mandal, IISc, Bengaluru	Sachin Suresh Tiwari, IIT, Roorkee
	Title: Studying the growth of hippocampal neurons	Title: Tau propagation is accelerated by reactive
	on flexible micropillar scaffolds	state of astrocytes in Alzheimer's Disease

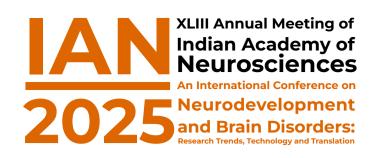






	17:00-17:30 Sandhya Koushika, TIFR, Mumbai Title: Mitochondria driven actin dynamics in touch sensory neurons alone are sufficient for touch responsiveness but not touch habituation 17:30-18:00	17:15-17:30 Short talk: Muskan Mittal, BRIC-NII, New Delhi Title: Aging Brains on Fire: Cytokine Storms Disrupts Neurogenesis in Aging Alzheimer's Models 17:30-18:00
	Hiyaa Ghosh, NCBS-TIFR, Bengaluru Title: Dendritic organization flexibility in the adult brain	Urmi Bandyopadhyay , MIRM, Bengaluru Title: Mechanisms underlying neurodegenerative disorders
	18:00-18:15 Short talk: Greeshma S, IISER, Thiruvananthapuram Title: Elucidating the role of chromatin methylation writers, readers and erasers in neurodevelopment and epilepsy	18:00-18:15 Short talk: Amrish Rai, CSIR-CDRI, Lucknow Title: Lysine acetyltransferase KAT3A/3B- mediated acetylation is critical to alleviate depressive-like symptoms in mice
	18:15-18:45 Dhananjay Huilgol , BRIC-NBRC, Manesar Title: Role of progenitors in neuronal diversification and the assembly of cortical circuits	18:15-18:45 Mallika Chatterjee, AMITY University, Uttar Pradesh Title: Understanding Neurobehavior in the Context of Sulfation Alterations in Proteoglycans across Evolution
18:45-20:15	IAN Fellow-Elect Talk-I Chairpersons: Subhas C Biswas, CSIR-IICB, Kolkata; Laxmi T. Rao, NIMHANS, Bengaluru	IAN Fellow-Elect Talk-II Chairpersons : Suman Jain, AllMS, New Delhi; Rajnikant Mishra, BHU, Varanasi
18:45-20:15	Chairpersons: Subhas C Biswas, CSIR-IICB,	Chairpersons : Suman Jain, AllMS, New Delhi;
18:45-20:15	Chairpersons: Subhas C Biswas, CSIR-IICB, Kolkata; Laxmi T. Rao, NIMHANS, Bengaluru 18:45-19:15 Aamir Nazir, CSIR-CDRI, Lucknow Title: From Gut to Neurons: How Microbiota Derived Succinate Exacerbates Alpha	Chairpersons: Suman Jain, AllMS, New Delhi; Rajnikant Mishra, BHU, Varanasi 18:45-19:15 Mousumi Mutsuddi, BHU, Varanasi Title: Convergent Role of RNA-Binding Proteins in modulating neurodegenerative disorders in
18:45-20:15	Chairpersons: Subhas C Biswas, CSIR-IICB, Kolkata; Laxmi T. Rao, NIMHANS, Bengaluru 18:45-19:15 Aamir Nazir, CSIR-CDRI, Lucknow Title: From Gut to Neurons: How Microbiota Derived Succinate Exacerbates Alpha Synuclein Aggregation and Neurodegeneration 19:15-19:45 Amul Sakharkar, SPPU, Pune Title: Reward processing by neuropeptidergic	Chairpersons: Suman Jain, AllMS, New Delhi; Rajnikant Mishra, BHU, Varanasi 18:45-19:15 Mousumi Mutsuddi, BHU, Varanasi Title: Convergent Role of RNA-Binding Proteins in modulating neurodegenerative disorders in Drosophila disease model 19:15-19:45 Prachi Srivastava, AlB, Lucknow Title: Screening of neurological biomarkers through Artificial Intelligence integrated multi-omics approach: A way towards precision







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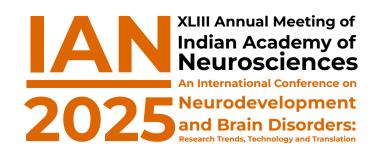
Schedule

Day 2:30-10-2025

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Time	Hall 1 (Vizhinjam)	Hall 2 (Light House)
09:00-09:45	Prof. P. N. Tandon Oration Speaker: Suvarna Alladi, NIMHANS, Bengaluru Title: Language and culture: Implications for Cognitive Resilience and Dementia Chairpersons: Anirban Basu, BRIC-NBRC, Manesar; Shashi Bala Singh, DIPAS, New Delhi	
09:45-10:30	Prof. S. S. Parmar Oration Speaker: Ratna Sircar, Albert Einstein College of Medicine, NY, USA Title: Adolescence, alcohol and memory Chairpersons: A K Agrawal, CSIR-IITR, Lucknow; Rajat Sandhir, Panjab University, Chandigarh	
10:30-11:30	Plenary Talk 1 Speaker: David Belin, University of Cambridge, Cambridge, UK Title: On the multifaceted nature of compulsive drug-seeking habits in addiction: insights from preclinical research Chairperson: Suvarna Alladi, NIMHANS, Bengaluru	
11:30-13:00	Tea and Poster session (Hall 3 & 4 - Bay & Waves (supported by ISDN)	s)
13:00-14:00	Lunch	
14:00-16:30	Symposium III Circuits, Synapses and Plasticity- II (supported by ISDN) Chairpersons: Suhita Nadkarni, IISER, Pune; Sandhya Koushika, TIFR, Mumbai	Symposium IV Mechanisms underlying neurodegenerative disorders – ALS and PD Chairpersons: Omkumar R V, BRIC-RGCB, Thiruvananthapuram; Poonam Thakur, IISER, Thiruvananthapuram
	14:00-14:30 Leena Ibrahim, King Abdullah University of Science and Technology, Thuwal, Saudi Arabia Title: Functional Maturation of Layer 1 Inhibitory Neurons in Sensory Cortices	14:00-14:30 Phalguni Anand Alladi, NIMHANS, Bengaluru Title: Modalities to Empanel Biomarkers and Examine Organellar Hierarchy: Translational and Basic Approaches to Understand Parkinson's disease pathogenesis
	14:30-14:45 Short talk: Aynal Hoque, IISc, Bengaluru Title: A quadrangle π - π and π -H interdomain interaction contributes to the voltage-dependent facilitation (VDF) of L-type voltage-gated calcium channels	14:30-15:00 Ajit Thakur, DPSRU, New Delhi Title: Neuropharmacological Studies of Capsaicin for the Management of Neurodegenerative Disorders







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	14:45-15:15 Abhishek Bhattacharya, NCBS-TIFR, Bengaluru Title: Novel Heterochannel Electrical Synapses: From Configuration, Regulation to Plasticity	15:00-15:30 Sandhya Kortagere, Drexel University College of Medicine, Philadelphia, USA Title: G-protein Biased Dopamine D3R agonist normalizes D1R-D3R function to attenuate Levodopa induced Dyskinesia
	15:15-15:30 Short talk: Mrinalini Ranjan, Max Planck Göttingen, Germany Title: Diacylglycerol sensing by Munc13-1 primes synaptic vesicles to control short-term plasticity and post-tetanic potentiation	15:30-16:00 Vijayalakshmi K, NIMHANS, Bengaluru Title: CHIT-CHAT of Microglia and Oligodendroglia with Motor Neurons in Sporadic Amyotrophic Lateral Sclerosis: Insights from In-vitro and In-vivo Studies
	15:30-16:00 Arnab Barik, IISc, Bengaluru Title: Pain & Itch: The good, the bad, & the ugly	16:00-16:15 Short talk: Srishti Sharma, CSIR-IGIB, New Delhi Title: Dissecting Neuronal Mechanisms in Wilson Disease Using Patient-Derived Midbrain Neurons
	16:00-16:30 Nixon Abraham, IISER, Pune Title:Multimodal olfaction: Neural mechanisms of dual-modality sensing through the rodent nose	16:15-16:30 Short talk: Aswathy B J, IISER, Thiruvananthapuram Title: Micro-managing the mind: Decoding the role of miR-996 in the fly brain
16:30-17:00	Теа	
17:00-19:30	Symposium V Neural Repair, Regeneration and Stroke	Symposium VI Memory Systems and Mechanisms
	Chairpersons: B S Shankaranarayana Rao, NIMHANS, Bengaluru; K P Mohanakumar, IUCBR & SSH. Kottavam	Chairpersons: Sourav Banerjee, BRIC-NBRC, Manesar; Akshay Anand, PGIMER, Chandigarh
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	NIMHANS, Bengaluru; K P Mohanakumar, IUCBR & SSH, Kottayam 17:00-17:30 Anindya Ghosh Roy, BRIC-NBRC, Manesar Title: Regenerating and reconnecting neural	Manesar; Akshay Anand, PGIMER, Chandigarh 17:00-17:30 Lee Yong-Seok, Seoul National University, Seoul, South Korea Title: Circuit mechanisms of social memory





	18:00-18:30 Pallab Bhattacharya, NIPER, Ahmedabad Title: Stroke in Pregnancy brings epigenetic changes in animal model	18:30-19:00 Kavita Babu, IISc, Bengaluru Title: Eavesdropping on C. elegans conversations: how memory moves from one worm to another
	18:30-19:00 Raghu Vemuganti, University of Wisconsin, Wisconsin, USA Title: Targeting Epitranscriptomics for Stroke	19:00-19:15 Short talk: Amrita Singh, TIFR, Mumbai Title: Tracing cell fates in the mouse hippocampus as a function of space and time
	Therapy 19:00-19:30 Yogananda S Markandeya, NIMHANS, Bengaluru Title: Sodium channel and epilepsy: Insights through personalized medicine	19:15-19:30 Short talk: Padmaja S, inStem, Bengaluru Title: Putative risk variants in chromatin genes implicated in bipolar disorder
19:30-20:30	Panel Discussion : Career trajectory discussion Chairperson: Bhavana Muralidharan Panelists: David Belin, Tomomi Shimogori, Ila Fiete, Jee Hyun Kim	
20:30	Cultural Program & Dinner	





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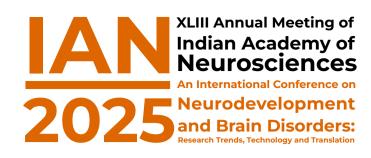
Schedule

Day 3: 31-10-2025

Ouday Samudra Beach Hotel, Kovalam

Time	Hall 1 (Vizhinjam)	Hall 2 (Light House)
09:00-10:00	Plenary Talk 2 Speaker: Jee Hyun Kim, Deakin University, Victoria, Australia Title: A platform for novel therapy development: The discovery of trimetazidine to treat bipolar depression Chairperson: Pankaj Seth, BRIC-NBRC, Manesar	
10:00-11:00	Plenary Talk 3 Speaker: Ila Fiete, Massachusetts Institute of Technology, Massachusetts, USA Title: Associative and episodic memory from pre-structured spatial scaffolds in the hippocampus Chairperson: Jonaki Sen, IIT, Kanpur	
11:00-11:45	Indian Academy of Neurosciences : General Body Meeting (GBM)	
11:45-13:15	Tea and Poster Session (Hall 3 & 4 - Bay & Wave (supported by ISDN)	95)
13:15-14:00	Lunch	
14:00-16:30	Symposium VII Advances in Neuroimaging Chairperson: Deepak Nair, IISc, Bengaluru; Easwer H V, SCTIMST, Thiruvananthapuram	Symposium VIII (supported by ISDN) Glia in brain development and disorders Chairpersons: Shubha Tole, TIFR, Mumbai; Soumya Iyengar, BRIC-NBRC, Manesar
	14:00-14:30 Vini Gautam, IISc, Bengaluru Title: Investigating neurite growth on scaffolds with microscale topographies	14:00-14:30 Karine Loulier, Institute for Neurosciences of Montpellier, Montpellier, France Title: The diversity of neocortical astrocytes in the light of the complexity of their developmental origin
	14:30-15:00 Aneesh Tazhe Veetil, TIFR-Hyderabad Title: Targeted imaging and manipulation of microglia in living brains	14:30-15:00 Indrani Datta, NIMHANS, Bengaluru Title: Astrocytes as Dynamic Mediators in α- Synuclein Pathology Propagation
	15:00-15:15 Short talk: Neha Karlupia , Harvard University, Cambridge, USA Title: A connectomics approach to understanding the physical basis of profound Autism	15:00-15:15 Short talk: Debalina Chatterjee, DU, New Delh Title: Support Cells at the Helm: Glial Subtypes Unequally Influence and Actively Co-Navigate Huntington's Disease Progression Alongside Neurons
	15:15-15:45 Rohit Joshi, CDFD, Hyderabad Title: Regulation of neural stem cell proliferation and apoptosis in developing CNS of Drosophila	15:15-15:45 Ramesh Raghupathi, Drexel University, Philadelphia, USA Title: The role of microglia in structural and functional deficits in developmental brain injury







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	15:45-16.15	15:45-16:15
	Jonaki Sen, IIT, Kanpur	Achira Roy, JNCASR, Bengaluru
	Title: Mechanistic insights gained on cerebral	Title: Loss of NF1 impairs ependymal
	hemisphere formation through advanced imaging	development, causing hydrocephalus in mice
	tools	
	16:15-16:30	16:15-16:30
	Short talk: Anjana Pithakumar, IIT, Chennai	Short talk: Arunima Sen, NCBS-TIFR,
	Title: An Integrated Pipeline for Whole-Brain	Bengaluru
	Immunohistochemistry and Deep Learning-Based	Title: Deciphering the Molecular Complexities and
	Analysis of Human Neuropathology	Roles of Glial Gap Junctions
16:30-17:00	Tea	
17:00-18:00	Plenary Talk 4	
	Speaker: Sheffali Gulati, AllMS, New Delhi	
	Title: The Science of Autism: Exploring	
	Research on Neurodevelopment and	
	Pathophysiological Insights	
	Chairperson: Sourav Banerjee, BRIC-NBRC,	
	Manesar	
18:00-19:15	Young Scientist Colloquium-I : Tulsabai	
	Somani Educational Trust Award	
	Chairpersons: Anoop Kumar T, SCTIMST,	
	Thiruvananthapuram; Phalguni Anand Alladi,	
	NIMHANS, Bengaluru	
	Speakers:	
	Kruttika Phalnikar, BRIC-inStem, Bengaluru	
	Niraj Kumar Gupta, IISER, Berhampur	
	Nitin Agnihotri, IIT, Kanpur	
	Dr Nitin Yadav, ACBR, New Delhi	
	Roana Liz George, IUCBR & SSH, Kottayam	
	Unnati Agrawal, IISER, Thiruvananthapuram	
19:15-20:00	Panel Discussion : Planning (Postdocs/ non-	Special Talks
	academic careers)	
	Chairperson: Shubha Tole	
	Panelists: Leena Ibrahim, Jee Hyun Kim, Karine	
	Loulier, Sandhya Koushika	







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Schedule

Day 4: 01-11-2025

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Time	Hall 1 (Vizhinjam)	Hall 2 (Light House)
09:00-09:45	K. T. Shetty Memorial Oration Speaker: K P Mishra, DIPAS, New Delhi Title: High altitude induced alterations in Gut- Immune-Brain axis Chairpersons: B S Shankaranarayana Rao, NIMHANS, Bengaluru; K K Soni, PGIMER, Chandigarh	
09:45-10:45	Plenary Talk 5 (supported by ISDN) Speaker: Tomomi Shimogori, RIKEN Center for Brain Science, Tokyo, Japan Title: Cell type census in cerebral cortex reveals species-specific brain function and connectivity Chairperson: Jackson James, BRIC-RGCB, Thiruvananthapuram	
10:45-11:45	Plenary Talk 6 Speaker: Mohanasankar Sivaprakasam, IIT, Chennai Title: Cell-resolution mapping of whole human brains Chairperson: Bhavana Muralidharan, BRIC-inStem, Bengaluru	
11:45-12:15	Теа	
12:15-13:30	Young Scientist Colloquium-II: Dr. D. M. Kar Prize Chairpersons: Vinay K Khanna, CSIR-IITR, Lucknow; Sourav Banerjee, BRIC-NBRC, Manesar Speakers: Dipak K. Sahare, RTMNU, Nagpur Merlin Jeejo, IUCBR and SSH, Kottayam Neha Yadav, IISER, Berhampur Santhosh Kumar S, IISER, Thiruvananthapuram Sonam Mehak, MAHE, Manipal Surya Suresh, BRIC-RGCB, Thiruvananthapuram Vishal Lolam, JNCASR, Bengaluru	
13:30-14:15	Lunch	





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14:15-16:45	Symposium IX Motor Control and Coordination Chairpersons: Bhupesh Mehta, NIMHANS, Bengaluru; Kamalesh K Gulia, SCTIMST, Thiruvananthapuram.	Symposium X Precision Medicine in Brain Disorders Chairpersons: Binukumar B K, CSIR-IGIB, New Delhi; Pallab Bhattacharya, NIPER, Ahmedabad
	14:15-14:45 Mahesh Gadhvi, AllMS, Jodhpur Title: Selective Dorsal Rhizotomy in Post- Traumatic Spasticity: Neuroscientific Basis, and Clinical Use of an Underutilized Neuromonitoring Technique	14:15-14:45 Kaviraja Udupa, NIMHANS, Bengaluru Title: Precision Medicine in Brain Disorders: Recent advances in Personalized Neuromodulation in Neuropsychiatric disorders
	14:45-15:15 Aaron Sathyanesan, University of Dayton, Ohio, USA Title: Neural basis of locomotor dysfunction in Down Syndrome	14:45-15:15 Ipsita Roy, NIPER, Mohali Title: Regulation of heat shock response as a possible therapy for Huntington's disease
	15:15-15:45 Laxmi T Rao, NIMHANS, Bengaluru Title: A combinational therapy after middle cerebral artery occlusion in facilitating ischemic stroke recovery	15:15-15:45 Vibhuti Joshi, BU (The Times Group), Greater Noida Title: Flavonoid-encapsulated chitosan nanoparticles as therapeutic targets for immunomodulation of glioblastoma
	15:45-16:15 Vibha Taneja, SGRH, Delhi Title: Clinical, Genetic determinants, Disease Mechanism and Therapeutics in Amyotrophic Lateral Sclerosis	15:45-16:15 Lalitha Soundararajan, Eyestem Research, Bengaluru Title: Off the shelf allogeneic RPE cell therapy: preclinical validation of safety, functionality, and post-thaw integrity
	16:15-16:30 Short talk: Yogesh Sahu, CSIR-CCMB, Hyderabad Title: Nuclear Receptor Transcription Factors promote axon regeneration in the Adult Corticospinal Tract	16:15-16:30 Short talk: Anjali Sharma, AllMS, New Delhi Title: Deciphering Platelet-Neuron Crosstalk: The Role of Platelet-Derived molecules in Drug- Resistant Epilepsy
	16:30-16:45 Short talk: Rahul Jose, BRIC-RGCB, Thiruvananthapuram Title: Mouse embryonic cortical niche harbors heterogeneous Hes1 expressing neural stem cells varying in potency and lineage commitment	16:30-16:45 Short talk: Utkarsh Patil, Nagpur University, Nagpur Title: Neuropeptide S alleviates neuropathic pain- like symptoms by activating lateral hypothalamic orexinergic system
16:45-17:15	Tea	
17:15-18:00	Awards and Closing Remarks	
18:00 onwards	Departure	

