



 Uday Samudra Leisure Beach Hotel, Kovalam, Thiruvananthapuram

# Schedule

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

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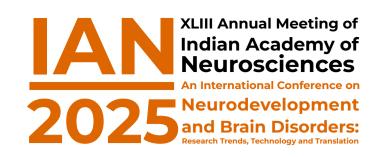
Time	Hall1	Hall 2
09:30-16:00	Workshop 1	Workshop 2
	Advances in Confocal Microscopy	Single-Cell Sequencing: Library Preparation and
		Data Analysis

#### **Day 1:** 29-10-2025

#### O Uday Samudra Beach Hotel, Kovalam

Time	Hall1	Hall 2
09:00	Registration	
11:30-12:45	Inauguration and IAN Update: Welcoming New	
	Fellows	
12:45-13:45	Lunch	
14:00-15:00	Keynote Talk	
	Chairperson: TBA	
	Speaker: <b>Dr. Stéphanie Baulac</b> , Paris Brain Institute	
	(ICM), Paris, France	
15:00-15:45	Prof. BK Bachhawat Memorial Lifetime	
	Achievement Award Lecture	
	Chairperson: TBA	
	Co-Chairperson: TBA	
	Speaker: TBA	
15:45-16:15	Tea	
16:15-18:45	Symposium I	Symposium II
	Circuits, Synapses and Plasticity- I	Mechanisms underlying neurodegenerative
	(supported by ISDN)	disorders - AD
	Chairperson: TBA	Chairperson: TBA
	Dr. Aurnab Ghose, IISER Pune	Dr. Prasun K. Roy, SNU, Delhi NCR
	Title: Branching out: Novel cytoskeletal mechanisms	Title: Neuroimaging based drug discovery for amylo
	regulating axon collateral branching	clearance therapy in subtypes of Alzheimer's diseas
		A pilot study using quantitative causation analysis
	<b>Dr. Hiyaa Ghosh</b> , NCBS-TIFR, Bengaluru	Dr. Prashant Kumar Modi, YU, Mangalore
	Title: Dendritic organization flexibility in the adult	Title: From Tradition to Therapy: Investigating the
	brain	Neuroprotective Mechanisms of Glycyrrhiza glabra
		Alzheimer's Disease Models
	<b>Dr. Anindya Ghosh Roy</b> , NBRC, Manesar	Dr. Arun Upadhyay, IIT Bhilai
	Title: Regenerating and reconnecting neural circuits	Title: Mapping early interaction partners of Aβ42 usi
		metabolic labelling
	<b>Dr. Sandhya Koushika</b> , TIFR, Mumbai	Dr. Sachin Suresh Tiwari, IIT Roorkee
	Title: Mitochondria driven actin dynamics in touch	Title: Tau propagation is accelerated by reactive stat
	sensory neurons alone are sufficient for touch	of astrocytes in Alzheimer's Disease



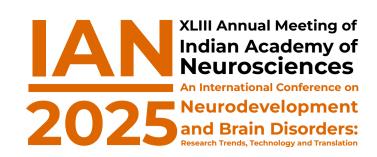




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18:45-20:15	IAN Fellow-Elect Talk-I	IAN Fellow-Elect Talk-II
	Chairperson: TBA	Chairperson: TBA
	Co-Chairperson: TBA	Co-Chairperson: TBA
	Dr. Aamir Nazir, CSIR-CDRI, Lucknow	<b>Dr. Mousumi Mutsuddi</b> , BHU, Varanasi
	Title: From Gut to Neurons: How Microbiota Derived	Title:
	Succinate Exacerbates Alpha	Convergent Role of RNA-Binding Proteins in
	Synuclein Aggregation and Neurodegeneration	modulating neurodegenerative disorders
		in Drosophila disease model
	Dr. Amul Sakharkar, CPPU, Pune	<b>Dr. Prachi Srivastava</b> , AIB, Lucknow
	Title: Reward processing by neuropeptidergic system	Title: Screening of neurological biomarkers through
	in lateral hypothalamus	Artificail Intelligence integrated
		multi-omics approach: A way towards precision
		medicine.
	Dr. Jackson James, BRIC-RGCB,	Dr. Sumana Chakravarty, CSIR-IICT, Hyderabad
	Thiruvananthapuram	
	Title: Embryonic cortical niche harbors heterogeneous	
	Hes1 expressing neural stem cells varying in potency	
	and lineage commitment	
20:15	Dinner	







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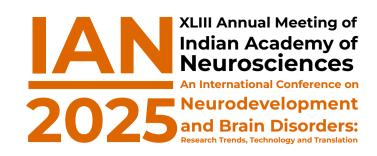
## Schedule

**Day 2:** 30-10-2025

**Ouday Samudra Beach Hotel, Kovalam** 

Time	Hall1	Hall 2
09:00-09:45	Prof. P.N. Tandon Oration	
	Chairperson: TBA	
	Co-Chairperson: TBA	
	Speaker: TBA	
09:45-10:45	Plenary Talk 1	
	Chairperson: TBA	
	Speaker: <b>Dr. David Belin</b> , University of Cambridge, UK	
	Title: On the multifaceted nature of compulsive drug-	
	seeking habits in	
	addiction: insights from preclinical research	
10:45-11:45	Plenary Talk 2	
	Chairperson: TBA	
	Speaker: <b>Dr. Jee Hyun Kim</b> , Deakin University,	
	Australia	
	Title: A platform for novel therapy development: The	
	discovery of trimetazidine to treat bipolar	
	depression	
11:45-13:00	Tea and <b>Poster session</b>	
	(supported by ISDN)	
13:00-14:00	Lunch	
14:00-16:30	Symposium III	Symposium IV
	Circuits, Synapses and Plasticity- II	Mechanisms underlying neurodegenerative
	(supported by ISDN)	disorders – ALS and PD
	Chairperson: TBA	Chairperson: TBA
	Co-Chairperson: TBA	Co-Chairperson: TBA
	<b>Dr. Arnab Barik</b> , IISc, Bengaluru	<b>Dr. Phalguni Anand Alladi</b> , NIMHANS, Bengaluru
	Title: Pain & Itch: The good, the bad, & the ugly	Title: Modalities to Empanel Biomarkers and Examine
		Organellar Hierarchy: Translational and Basic
		Approaches to Understand Parkinson's disease
		pathogenesis
	<b>Dr. Leena Ibrahim,</b> KAUST, Saudi Arabia	Dr. Ajit Thakur, DPSRU, New Delhi
	Title: Functional Maturation of Layer 1 Inhibitory	Title: Neuropharmacological Studies of Capsaicin for
	Neurons in Sensory Cortices	the Management of Neurodegenerative Disorders
	<b>Dr. Nixon Abraham</b> , IISER Pune	Dr. Sandhya Kortagere, DUCOM,Philadelphia
	Title: Multimodal olfaction: Neural mechanisms of dual	
	modality sensing through the rodent nose	normalizes D1R-D3R function to attenuate Levodopa
		induced Dyskinesia
	Dr. Abhishek Bhattacharya, NCBS-TIFR	<b>Dr. Urmi Bandyopadhyay</b> , MIRM, Bengaluru
	Title: Novel Heterochannel Electrical Synapses: From	Title: Mechanisms underlying neurodegenerative
	Configuration, Regulation to Plasticity	disorders







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16:30-17:00	Tea	
17:00-19:30	Symposium V	Symposium VI
	Neural Repair and Regeneration	Memory Systems and Mechanisms
	Chairperson: TBA	Chairperson: TBA
	Co-Chairperson: TBA	Co-Chairperson: TBA
	<b>Dr. Manoj Dandekar</b> , NIPER, Hyderabad	Dr. Lee Yong-Seok, SNU, Seoul, South Korea
	Title: The gut microbiota: could understanding it help	Title: Circuit mechanisms of social memory
	reverse post-brain injury complications.	consolidation and generalization in mice
	Dr. Pallab Bhattacharya, NIPER, Ahmedabad	<b>Dr. Balaji Jayaprakash</b> , IISc, Bengaluru
	Title: Stroke in Pregnancy brings epigenetic changes in	Title: Uncertainty during retrieval induces false
	animal model	memory
	<b>Dr. Raghu Vemuganti</b> , UW, USA	Dr. Abhilasha Joshi, NCBS-TIFR, Bengaluru
	Title: FTO promotes post-stroke neuroprotection by	Title: Unraveling the links between memory,
	m6A demethylation of c-Jun	hippocampal dynamics, and mobility
	Dr. Yogananda S Markandeya, NIMHANS,	<b>Dr. Kavita Babu</b> , IISc, Bengaluru
	Bengaluru	Title: Eavesdropping on C. elegans conversations: how
	Title: Sodium channel and epilepsy: Insights through	memory moves from one worm to another
	personalized medicine	
19:30-20:30	Panel Discussion : Career trajectory	
	Chairperson: Dr. Shubha Tole	
	Panelists: Dr. David Belin, Dr. Tomomi Shimogori, Dr.	
	Ila Fiete, Dr. Stéphanie Baulac, Dr. Jee Hyun Kim	
20:30	Cultural Program & Dinner	







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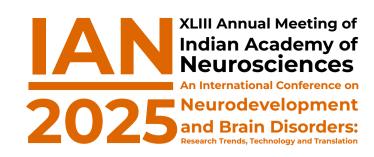
## Schedule

**Day 3:** 31-10-2025

**OUday Samudra Beach Hotel, Kovalam** 

Time	Hall1	Hall 2
09:00-09:45	Prof. S. S. Parmar Oration	
	Chairperson: TBA	
	Co-Chairperson: TBA	
	Speaker: TBA	
09:45-10:45	Plenary Talk 3	
	Chairperson: TBA	
	Speaker: <b>Dr. Ila Fiete</b> , MIT, Massachusetts, USA	
	Title: Associative and episodic memory from pre-	
	structured spatial scaffolds in the hippocampus	
10:45-12:00	Young Scientist Colloquium-I : Tulsabai Somani	
	Educational Trust Award	
	Chairperson: TBA	
	Co-Chairperson: TBA	
12:00-13:15	Tea and <b>Poster Session</b>	
	(supported by ISDN)	
13:15-14:00	Lunch	
14:00-16:30	Symposium VII	Symposium VIII (supported by ISDN)
	Advances in Neuroimaging	Glia in brain development and disorders
	Chairperson: TBA	Chairperson: TBA
	Co-Chairperson: TBA	Co-Chairperson: TBA
	<b>Dr. Vini Gautam</b> , IISc, Bengaluru	<b>Dr. Karine Loulier</b> , INM, Montpellier, France
	Title: Investigating neurite growth on scaffolds with	Title: The diversity of neocortical astrocytes in the light
	microscale topographies	of the complexity of their developmental origin
	Dr. Aneesh Tazhe Veetil, TIFR-Hyderabad	<b>Dr. Indran Datta</b> , NIMHANS, Bengaluru
	Title: Targeted imaging and manipulation of microglia	Title: Astrocytes as Dynamic Mediators in α-Synuclein
	in living brains	Pathology Propagation
	Dr. Rohit Joshi, CDFD, Hyderabad	<b>Dr. Achira Roy</b> , JNCASR, Bengaluru
	Title: Regulation of neural stem cell proliferation and	Title: Loss of NF1 impairs ependymal development,
	apoptosis in developing CNS of Drosophila	causing hydrocephalus in mice
	<b>Dr. Jonaki Sen</b> , IIT Kanpur	<b>Dr. Ramesh Raghupathi</b> , DU, Philadelphia, USA
	Title: Mechanistic insights gained on cerebral	Title: The role of microglia in structural and functional
	hamienhava farmatian through advanced incasing	deficits in developmental brain injury
	hemisphere formation through advanced imaging	deficits in developmental brain injury







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16:30-17:00	Tea	
17:00-18:00	Plenary Talk 4	
	Chairperson: TBA	
	Speaker: <b>Dr. Sheffali Gulati</b> , AIIMS, New Delhi, India	
18:00-19:15	Panel Discussion : Planning (Postdocs/ non-	
	academic careers)	
	Chairperson: Dr. Bhavana Muralidharan	
	Panelists: Dr. Shubha Tole, Dr. David Belin, Dr.	
	Tomomi Shimogori, Dr. Leena Ibrahim, Dr. Jee Hyun	
	Kim, Dr. Karine Loulier, Dr. Tasia Asakawa	
19:15-20:00	Indian Academy of Neurosciences : General Body	
	Meeting (GBM)	
20:15	Dinner	





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## Schedule

**Day 4:** 01-11-2025

**Ouday Samudra Beach Hotel, Kovalam** 

Time	Hall 1	Hall 2
09:00-09:45	·	i i ali Z
09.00-09.45	Chairperson: TBA	
	Co-Chairperson: TBA	
	Speaker: TBA	
09.45-10.45	Plenary Talk 5 (supported by ISDN)	
03.43-10.43	Chairperson: TBA	
	Speaker: <b>Dr. Tomomi Shimogori</b> , Riken CBS, Tokyo,	
	Japan	
	Title: Cell type census in cerebral cortex reveals	
10:45-11:45	Plenary Talk 6	
10.45 11.45	Chairperson: TBA	
	Speaker: <b>Dr. Mohanasankar Sivaprakasam</b> , IIT	
	Madras, Chennai, India	
11:45-12:15	Tea	
12:15-13:30	Young Scientist Colloquium-II : Dr. DM Kar Award	
	Chairperson: TBA	
	Co-Chairperson: TBA	
13:30-14:15	Lunch	
14:15-16:45	Symposium IX	Symposium X
	Motor Control and Coordination	Precision Medicine in Brain Disorders
	Chairperson: TBA	Chairperson: TBA
	Co-Chairperson: TBA	Co-Chairperson: TBA
	<b>Dr. Mahesh Gadhvi</b> , AIIMS, Jodhpur	<b>Dr. Kaviraja Udupa</b> , NIMHANS, Bengaluru
	Title: Selective Dorsal Rhizotomy in Post-Traumatic	Title: Precision Medicine in Brain Disorders: Recent
	Spasticity: Neuroscientific Basis, and Clinical Use of an	advances in Personalized Neuromodulation in
	Underutilized Neuromonitoring Technique	Neuropsychiatric disorders
	<b>Dr. Aaron Sathyanesan</b> , UD, Ohio, USA	Dr. Ipsita Roy, NIPER, Mohali
	Title: Neural basis of locomotor dysfunction in Down	Title: Regulation of heat shock response as a possib
	Syndrome	therapy for Huntington's disease
	<b>Dr. Laxmi T Rao</b> , NIMHANS, Bengaluru	<b>Dr. Vibhuti Joshi</b> , BU(The Times Group), Greater
	Title: A combinational therapy after middle cerebral	Noida
	artery occlusion in facilitating ischemic stroke recovery	Title: Flavonoid-encapsulated chitosan nanoparticle
		as therapeutic targets for
		immunomodulation of glioblastoma
	<b>Dr. Vibha Taneja</b> , SGRH, Delhi	<b>Dr. Anuradha Sharma</b> , LPU, Punjab
	Title: Clinical, Genetic determinants, Disease	Title: Targeting Glioblastoma with Emblica officinali
	Mechanism and Therapeutics in Amyotrophic Lateral	Derived Nanotherapeutics: A Precision Medicine
	Sclerosis	Approach
16:45-17:15	Tea	
17:15-18:00	Awards and Closing Remarks	
18:00	Departure	



