



**11th Annual Conference of the Association of Physiologists of India
(ASSOPICON 2025) on *Experimental & Translational Physiology*
Celebration of Golden Jubilee of Dept. of Neurophysiology, NIMHANS
December 8-12, 2025**

Pre-conference workshops: Monday 8th December 2025 (8am - 5pm)

Pre-conference workshops	Workshop 1: Clinical Electrophysiology: Autonomic Functions, Neuromodulation & IONM <i>Venue: Platinum Jubilee Auditorium, 3rd floor POGW building, NIMHANS</i>	Workshop 2: Sleep & Cognitive Neurophysiology <i>Venue: Lecture Hall-1 Old Administrative Block NIMHANS</i>	Workshop 3: Synaptic Physiology & Cognition <i>Venue: Neurobiology Research Centre (NRC), Neuropathology Seminar Hall (2nd floor) NIMHANS</i>	Workshop 4: Cellular models of Neurological Disorders <i>Venue: Director's Office Seminar Hall (1st floor) NIMHANS</i>
8:00 AM	Registration and Breakfast			
9:00-1:00 PM	<p>Dr. TN Sathyaprabha: <i>ANS bedside evaluation and conventional AFT</i></p> <p>Dr. Sucharita S: <i>Clinical Relevance of HRV, BPV & BRS</i></p> <p>Dr. Aarthika S: <i>Basics of NCV & EMG</i></p> <p>Dr. Kaviraja Udupa: <i>Modalities of Neuromodulation and Clinical Utilities</i></p> <p>Dr. Prabhu Raj A R: <i>IONM: Surgeon's Perspective</i></p> <p>Dr. Nishanth Sampath: <i>Intraoperative Neurophysiology: Overview of IONM and Physiologists Perspective</i></p>	<p>Dr. Bindu M Kutty: <i>Importance of Sleep for Cognition</i></p> <p>Dr. Ravindra PN: <i>Overview of Sleep Physiology</i></p> <p>Dr. Rahul V: <i>Attention: Gateway to Cognition</i></p> <p>Dr. Arun S: <i>Perception during Sleep</i></p> <p>Dr. Praerna C: <i>Yogic perspective of Cognition</i></p> <p>Dr. Saketh M: <i>Neural correlates: Internal vs External Perception</i></p> <p>Dr. Neethi Prem: <i>Modalities to assess Interoception</i></p>	<p>Dr. BS Shankaranarayana Rao: <i>Neuronal plasticity and brain repair mechanisms: Current challenges in treating neurological and psychiatric disorders</i></p> <p>Dr. BN Srikumar: <i>Modelling Depressive Disorders in Rodents</i></p> <p>Dr. Laxmi T Rao: <i>Fear Memory and its Extinction</i></p> <p>Dr. Yoganarasimha D: <i>Spatial memory and neural networks</i></p> <p>Dr. Richard Mills, <i>Neuroscientist Stoelting Co., USA: The Essential Role of Behavioral Tracking Software in Rodent Neuroscience Research</i></p>	<p>Dr. Srinivas Bharath M.M: <i>Cell culture-based systems to explore neuroscience</i></p> <p>Dr. Indrani Datta: <i>Stem cells in deciphering neurological disorders</i></p> <p>Dr. Lekshmi Krishna: <i>Microglia mediated Neuro-inflammatory responses in sporadic ALS</i></p> <p>Dr. Vijayalakshmi K: <i>In-vitro systems in delineating ALS pathophysiology</i></p>
1:00-2:00 PM	Lunch			
2:00-5:00 PM	Demonstration and visit to labs	Demonstration and visit to labs	Demonstration and visit to labs	Demonstration and visit to labs
6:30 pm onwards	Executive Body meeting of ASSOPI: NIMHANS Convention Centre Board Room			

Day 1: Tuesday Dec 9, 2025

(7:30 am – 9pm; Venue: NIMHANS Convention Centre)

Time & Venue	Session, Speakers & Venue	Session, Speakers & Venue	Session, Speakers & Venue
7:30–9:00 AM	Breakfast & Registration		
9:00–9:30 AM Hall A	Keynote Address 1: Dr. TR Raju , Former Dean & Retired Senior Professor of Neurophysiology, Director, Research, Sankara Academy of Vision, Bengaluru. <i>Cells, molecules and I: A journey of half a century and beyond</i>		
9:30–10:00 AM Hall A	Keynote Address 2: Dr. G. K. Pal , Senior Professor, JIPMER Puducherry and Former Dean, JIPMER(K), Dean, Medical faculty, PU, Former Ex Director, AIIMS, Patna: <i>Translational Physiology: Past, Present and Future</i>		
10:00–10:30 AM Hall A	Keynote Address 3: Dr. Narsingh Verma , Dean & Principal, Hind Institute of Medical Sciences, Ataria, Lucknow UP: <i>Importance of Chronobiology in Health & Disease</i>		
10:30–10:45 AM	Tea break		
	Symposium 1 (Hall B)	Symposium 2 (Hall C)	Symposium 3 (Board Room, I floor CC)
10:45-12:00 PM	Pathophysiology of Neurodegenerative disorders Chairs: Drs. Laxmi T Rao and MM Srinivas Bharath, NIMHANS 1. Dr. Kiran Bhaskar , Professor, Department of Molecular Genetics & Microbiology, University of New Mexico: <i>Demystifying Brain Inflammation in the Context of Alzheimer's Disease</i> 2. Dr. Surojit Paul , Professor, Department of Neurology, University of New Mexico Health Sciences Center: <i>One STEP at a Time: Advancing Neuroprotection in Acute Ischemic Stroke</i> 3. Dr. Smitha Karunakaran , Center for Brain Research, Indian Institute of Science Campus, Bengaluru: <i>Female-Biased Astrocytic Activation in the Locus Coeruleus at the Earliest Stage of Alzheimer's Disease</i> 4. Dr. Ravi Muddashetty , Centre for Brain Research: <i>Energy perturbation at the synapse: A key pathology in AD?</i>	Cellular and Molecular Neurosciences Chairs: Drs. Nandakumar DN, NIMHANS & Dr.Kumar S, IISc 1. Dr. Antonius Plagge , Department of Biochemistry, Cell and Systems Biology, Institute of Systems, Molecular and Integrative Biology, University of Liverpool: <i>The roles of Trappc9 in brain development</i> 2. Dr. Muddanna S Rao , Department of Anatomy, College of Medicine, Kuwait University: <i>In Vitro Attenuation of Aβ1–42-Induced Neuroinflammation and Growth Factor deficit by N-Acetyl Cysteine and Thymoquinone</i> 3. Dr. Sampath Madhyastha , Department of Anatomy, College of Medicine, Kuwait University: <i>Thiol-Based Glutathione Precursor and Black-Seed Quinone Co-modulate Aβ1-42 Driven Neuroinflammation In Vitro</i> 4. Dr. Kalpana Barhwal , Department of Physiology, AIIMS, Bhubaneswar: <i>Redox-Regulated Pathways in Glioblastoma: Mechanistic Insights and Therapeutic Implications</i> 5. Dr. Nandakumar DN , Professor of Neurochemistry, NIMHANS <i>The molecular Architecture of Glioblastoma: Tumor Aggressiveness and Immune Escape</i> 6. Dr. Kumar Somasundaram Professor, Department of Microbiology and Cell Biology, IISc: <i>The secrets of the dark genome: noncoding RNA component</i>	Multisystem Approaches to Addiction Chairs: Dr. Manoj K Sharma, Professor of Clinical Psychology, NIMHANS, Prof. Preeti Jain, MAMC, Ravindra PN, NIMHANS 1. Dr. Preeti Jain , Director Professor, MAMC, New Delhi: <i>Digital Addiction: Neurocognitive Disruption, Biopsychosocial Risk, and Meditation as an Emerging Intervention</i> 2. Dr. Madhulika Monga , Director Professor, LHMC, New Delhi: <i>Beyond Dopamine: Understanding Addictions Through a Multi-Omic Approach</i> 3. Dr. Ashwini Mahadule , Associate Professor, AIIMS, Rishikesh: <i>Sleep and Circadian Disturbances: A Converging Gateway to Addictions</i> 4. Dr Rajani Bala Jasrotia , Professor and Head of Physiology, Dr RMLIMS Lucknow: <i>Cognitive-Behavioral Internet De-Addiction Program: Effects on Stress and Autonomic Regulation in Young Adults</i> 5. Dr. K. Mrudula , Department of Physiology, Oxford medical college: <i>Neurobiological correlates in men with comorbid alcohol use disorder and adult attention deficit hyperactivity disorder</i> 6. Dr. Jayant Mahadevan , Faculty of Psychiatry, NIMHANS: <i>Role of Neuromodulation in addiction</i>
12:00–12:15 PM	Tea break		

	Symposium 4 (Hall B)	Symposium 5 (Hall C)	Symposium 6 (Board Room, I floor CC)
12:15– 1:30 PM	<p>Reproductive Physiology: Psychophysiology Of Male Sexual Dysfunction & Diagnostic Modalities</p> <p>Chairs: Dr. Latika Mohan, BN Srikuamr & GK Pal</p> <ol style="list-style-type: none"> Dr. G. Sunil Naik, Department of Physiology, AIIMS Mangalagiri: <i>Neurobiology and Psychophysiology of Male Sexual Function</i> Dr. Satish P. Dipankar, Department of Physiology, AIIMS Mangalagiri: <i>Psychogenic Erectile Dysfunction: Mechanisms and Clinical Perspectives</i> Dr. Mrunal Phatak, Department of Physiology, AIIMS Nagpur: <i>Diagnostic Modalities in Male Sexual Dysfunction</i> Dr. Santosh Bokre, Department of Physiology, AIIMS Mangalagiri: <i>Psychological and Multidisciplinary Assessment Tools</i> Dr. Leena Lakshmi Prasanna, BGSMMCH, Nagarur: <i>Correlation of advanced glycation end products and oxidative stress markers in men attending to fertility clinic</i> Dr. S. Nirangjhana, DM Resident in Clinical and Interventional Physiology, AIIMS Patna: <i>Effect Of Yoga On Semen Quality And Psycho-Neuro-Endocrine-Immune Parameters In Male Partners Of Infertile Couples With Psychological Stress: A Randomized Controlled Trial</i> 	<p>Investigating mechanistic basis of disorders employing Animal Models</p> <p>Chairs: Drs. Yoganarasimha D, NIMHANS</p> <ol style="list-style-type: none"> Dr. Dada Saheb Kokare, Professor of Pharmaceutical Sciences, UDPS, Nagpur: <i>Animal models of Addiction</i> Dr. Asmita Patil, Professor of Physiology, AIIMS, New Delhi : <i>Animal models of Pollution studies</i> Dr. Preethi Hegde, Department of Physiology, K.S. Hegde Medical Academy (KSHEMA), Mangalore: <i>Two Species, One Story: The Impact of Stress and Sleep on Learning</i> Dr. Suman Jain, Professor of Physiology, AIIMS, New Delhi: <i>Characterizing Excitatory-Inhibitory Neural circuitry in conscious rats by single and paired pulse TMS</i> 	<p>Beyond Sarcopenia: Ethical and Anti-Doping & Education Strategies for Sustainable Athlete Health</p> <p>Chairs: Dr. Bhupesh Mehta & Yogananda, Biophysics, NIMHANS</p> <ol style="list-style-type: none"> Dr. Anita Kumari, AIIMS Deoghar: <i>The Ethical Imperative – (Integrity and Muscle Health in Sport)</i> Dr. Sankalp Jha, Sports-Exercise Medicine & Sciences lab., Dept. of Physiology, IMS, BHU: <i>Sarcopenia Detection, Prevention, and Exercise Interventions (practical tools)</i> Dr. Kiran Kumar Kulkarni, Sports & Exercise Medicine Consultant, Dharwad: <i>The Doping Dilemma (Risks to Muscle Health, Detection Advances, and Clean Alternatives for Aging Athletes)</i> Navdeep Ahuja, AIIMS, Bilaspur, H.P.: <i>Sarco SIM: An Isolated Skeletal Muscle Simulator Integrating Calcium Dynamics and Hill's Equations for Undergraduate and Postgraduate Physiology Education</i> Dr. Hanjabam Barun Sharma, Sports-Exercise Medicine & Sciences, Lifestyle & Performance Medicine Lab., Department of Physiology, IMS, Banaras Hindu University, Varanasi: <i>Exercise as Rehabilitation: Practical Load Management for Common Musculo-tendinous Conditions</i>
1:30-2:30 PM	Lunch		
2:00-3:30 PM	Poster session I* (First floor display area)		

3:30-4:00 PM	Tea break		
	Symposium 7 (Hall B)	Symposium 8 (Hall C)	Symposium 9 (Board Room, 1 floor CC)
4:00-5:30 PM	<p>Intraoperative Neurophysiology Monitoring (IONM)</p> <p>Chairs: Drs. Prabhuraj, KU & Gopalakrishna, NIMHANS</p> <ol style="list-style-type: none"> Dr. Suresh Babu KR, Director & Senior Consultant Neurosurgery, SIMS, Chennai: <i>Adopting Neurophysiology in Clinical Practice - What do neurosurgeons expect from Neurophysiologists</i> Dr. Nishanth Sampath, Senior Consultant Neurophysiology SIMS, Chennai: <i>IONM: Enhancing surgical precision with real-time neurophysiology</i> Dr. Senthil Kumar TS, Clinical Lead & Senior Consultant, Department of Neuro Anesthesia, SIMS, Chennai: <i>IONM driven Neuroanesthesia Model - A decade of learning</i> Dr Aarthika Sreenivasan, Clinical Neurophysiologist, MGM MC and Hospital, Kamothe: <i>Clinical Neurophysiology: Solving the Diagnostic puzzle with NC studies & Needle EMG</i> 	<p>Advances in Neurobiology</p> <p>Chairs: Drs. BSS Rao, BN Srikumar, NIMHANS</p> <ol style="list-style-type: none"> Dr. Sahadev Shankarappa, MS Ramaiah University: <i>Navigating Neural Pathways: Nanoparticle Design for Targeted Axonal Drug Delivery</i> Dr. Sivaprakasam Ramamurthy, CBR, IISc: <i>Understanding the molecular basis of dementia heterogeneity in Alzheimer's patients</i> Dr. Giriraj Sahu, MBU, IISc: <i>NS-309, a potent KCa3.1 channel activator mitigates neuronal hyperexcitability and status epilepticus seizures in acquired epilepsy</i> Dr. Srinivas Gullapalli, Head, Biology, Peptris Technologies, Bengaluru: <i>Novel and repurposable therapeutic approaches in DMD</i> 	<p>Autonomic Cosmetology: Decoding the Brain-Body-Beauty Axis through Neurophysiology:</p> <p>Chairs: Drs. TNS, NIMHANS, Pravati Pal, JIPMER & Ganashree CP, AIIMS, Patna</p> <ol style="list-style-type: none"> Dr. M. Rajajeyakumar, Clinical Neurophysiologist, Associate Professor, Dept. of Physiology, Saveetha Medical College and Hospital, SIMATS, Chennai: <i>The Neurophysiology of Aging and Regeneration</i> Dr R Jeevalakshmi, SIMATS, Chennai: <i>Neuroaesthetics and Autonomic Signatures of Beauty</i> Dr Gudiyani Edwin Ezra Paul: <i>Integrating lifestyle medicine and neurophysiology for aesthetic well-being</i> Dr. Anita Talwar MD, Gentech Marketing and Distribution, Delhi: <i>Enhancing Neuropsychophysiological Research with BIOPAC Tool and innovations in aesthetic diagnostics</i> Dr Divya.R: <i>Future Research and Translational Directions in Autonomic Cosmetology</i>
6:00-7:30 PM	Inauguration of the conference (Hall A)		
7:30 PM onwards	Gala Dinner		

Day 2: Wednesday Dec 10, 2025 (7:30 am – 9 pm)

Time	Session, Speakers & Venue	Session, Speakers & Venue	Session, Speakers & Venue
7:30–9:00 AM	Breakfast & Registration		
9:00–9:30 AM Hall A	Keynote Address 4: Dr. Robert Chen, Professor of Neurology, University of Toronto Canada <i>Recent advances in Neuromodulation and Clinical Neurophysiology</i>		
9:30-10:00 AM Hall A	RL Bijalani Lifetime Achievement Award: Dr. Pratima Murthy, Director and Senior Professor of Psychiatry, NIMHANS, Bengaluru		
10:00–10:30 AM Hall A	ASSOPI Annual Oration of an Outstanding Physiologist: Dr. Latika Mohan, Professor & Head, Department of Physiology and Former Dean (Academics), AIIMS, Rishikesh		
10:30–10:45 AM	Tea break		
	Symposium 10 (Hall B)	Symposium 11 (Hall C)	Symposium 12 (Board Room, I floor CC)
10:45-12:00 PM	<p>High altitude & Space Physiology: Leveraging Performance in extreme environments Chairs: Drs. Latika Mohan & Pravati Pal, JIPMER</p> <ol style="list-style-type: none"> Dr SP Singh, Prof & Head, AIMSRC, Faridabad: Performance in hypoxia and hypobaria Dr Latika Mohan, AIIMS Rishikesh: Cold hypothermia and cold injury Lt Col Srinivas, IAM Bangalore: Heat stress and performance Grp Capt Deepanjan Dey, AFMC, Pune: Performance in Space 	<p style="text-align: center;">Stem cell Physiology Chairs: Drs. Vijayalakshmi & Indrani Dutta, NIMHANS</p> <ol style="list-style-type: none"> Dr. Anandh Dhanushkodi, Manipal Institute of Regenerative Medicine, Manipal Academy of Higher Education, Bangalore: <i>Human DPSC-Derived Extracellular Vesicles: A Promising Approach for Neuroprotection and Functional Recovery</i> Dr. Dandapany SP, Scientist-F, inStem, Bangalore: <i>Cardiac abnormalities induced by sleep disorders</i> Dr. Rajarshi Pal, Chief Scientist, Eyestem Research Centre for Cellular and Molecular Platforms (C-CAMP): <i>Induced pluripotent stem cell-derived retinal cells for the treatment of degenerative blindness</i> Dr. Pawan Kumar Gupta, President Medical and Regulatory Affairs, Stempeutics: <i>Stem cell Research: Industry and regulatory perspective</i> 	<p>Harnessing Human Consciousness, Anxiety and Attention through Integrated Medicine Chairs: Drs. Ravindra PN, NIMHANS & Dr. Kamalesh Jha, AIIMS, Patna</p> <ol style="list-style-type: none"> Dr Rajkumar Yadav, Department of Physiology, AIIMS Delhi: <i>Human consciousness and Integrated Medicine</i> Dr Vandana SD, Department of Physiology, AIIMS Bibinagar Hyderabad: <i>Yogic Signatures as Biomarkers: Tailoring Yoga Interventions for Anxiety</i> Dr Dipti Magan, Department of Physiology, AIIMS Bhatinda: <i>Coding of Attention-Bias through Yogic Signatures in our Daily lives</i> Dr. Kedarmal Verma; Sleep Cognition and Psychology Experimental Lab, School of HSS, IIT Indore: <i>Decoding Sleep Architecture: Micro- and Macro structural Influences on Human Cognition</i> Dr. J. N. Ambika Bai, Dept of Physiology, Kamineni Institute of Medical Sciences, Narketpally, Telangana: <i>Insights into Sleep Medicine: A Study Among Medical Fraternity</i>
12:00-12:15 PM	Tea break		
	Symposium 13 (Hall B)	Symposium 14 (Hall C)	Symposium 15 (Board Room, I floor CC)
12:15–1:45 PM	<p>Importance of Cardiovascular & Autonomic Investigations in Contemporary Medicine</p> <p>Chairs: Drs. TN Sathyaprabha & Ekta</p>	<p>Autonomic Modulation in Integral Health: Empowering Medical Students through Yogic Breathing and Clinical Resilience</p> <p>Chairs: Drs. Kaviraja Udupa, NIMHANS & Dr. N. Prabhu, JIPMER</p> <ol style="list-style-type: none"> Dr. Om Lata Bhagat, Department of Physiology, AIIMS Jodhpur: <i>Acute</i> 	<p>Electrophysiology: Practical Approaches</p> <p>Chairs: Drs. Subasree & Ravindra PN, NIMHANS</p> <ol style="list-style-type: none"> Dr. Jayshree Phurailatpam, Dept of Physiology, RIMS, Imphal, Manipur: <i>Electro neurophysiology experiences in North East India: a RIMS perspective:</i>

	<p>Khandelwal, AIIMS, Raipur</p> <ol style="list-style-type: none"> Dr. G. K. Pal, Senior Professor, JIPMER Puducherry and Former Ex Director, AIIMS, Patna: <i>HRV Analysis and its application in Clinical Medicine</i> Dr. Sabita Yograj, Professor & Head, SMVDIME, Kakryal: <i>Sympathetic function tests</i> Dr. Raj Kumar Yadav, Professor, AIIMS, New Delhi: <i>Parasympathetic function tests</i> Dr. Pravati Pal, Professor, JIPMER Puducherry: <i>Baroreflex sensitivity in Health & Disease</i> 	<p><i>Effects of Controlled Yogic Breathing on Cardiovascular and Neural Oscillations</i></p> <ol style="list-style-type: none"> Dr. Bhalendu Vaishnav, Department of Medicine, Pramukhswami Medical College, Bhaikaka University, Karamsad, Gujarat: <i>Yoga Nidra, Guided Meditation, and Integral Approaches: Clinical and Educational Insights on Wellbeing</i> Dr. Kavitha N, JIPMER, Puducherry: <i>Assessment of Anxiety Severity and its Association with Cardiac Autonomic Function Tests and Cardiovascular Risk Factors in Patients with Anxiety Disorder</i> Dr Vidya Ganji, Department of Physiology AIIMS Bibinagar: <i>Evaluation of Autonomic Functions for Assessment of Cardiovascular Risk in Women with Subclinical Hypothyroidism</i> 	<ol style="list-style-type: none"> Dr Snehasis Bhunia, Department of Physiology, Uttar Pradesh University of Medical Sciences, Saifai.: <i>Electrocardiography: future perspectives</i> Dr. Rupali Parlewar, Professor and Head of Department, AIIMS Bilaspur, HP: <i>Evaluation of Cognitive Functions in Female Thyroid Patients Using P300 Event-Related Potentials</i> Dr. Pooja Ojha, AIIMS Jodhpur: <i>Neuroplastic effects of Dance training on Resting state brain wave oscillations and its correlation with cardiac autonomic activity</i> Dr. Shreya Sharma- Scientist, Neuromodulation Lab AIIMS DEOGHAR: <i>A protocol to optimize non-invasive brain stimulation for post-stroke rehabilitation</i> Dr. Ayesha Juhi, Department of Physiology, AIIMS Deoghar: <i>Frequency-Dependent Effects of rTMS on Upper Limb Motor Recovery After Stroke: A Randomized Controlled Trial</i> Dr. Arvind Kanchan, Department of Physiology; AIIMS Rae Bareli: <i>Application of intraoperative neurophysiological monitoring in diverse neurosurgical procedures</i> Dr. Naveen Ravi, Department of Physiology, BGS MCH, Nagarur: <i>Non-invasive electrical vestibular nerve stimulation: An emerging modality for management of non-motor symptoms in Parkinson's disease</i>
1:45 – 2:30 PM	Lunch		
2:00-3:30 PM	Poster session II* (First floor display area)		
	Symposium 16 (Hall B)	Symposium 17 (Hall C)	Symposium 18 (Board Room, I floor CC)
3:00– 4:30 PM	<p>Neuromodulation in Clinical Practice Chairs: Drs. Robert Chen, U of Toronto & Pramod Pal, NIMHANS</p> <ol style="list-style-type: none"> Dr. Muralidharan K, Prof of Psychiatry, NIMHANS: <i>Neuromodulation in Psychiatry</i> Dr. Nitish Kamble, Professor of Neurology, NIMHANS: <i>Neuromodulation in Neurology</i> Dr. Renu Bhatia, Prof of Physiology, AIIMS Delhi: <i>Neuromodulatory role of low frequency versus high frequency rTMS for chronic pain relief</i> Dr. Supriyo Choudhury, Assistant Director of Research, Institute of Neurosciences Kolkata: <i>Non-invasive VNS and its clinical utility</i> 	<p>Gut microbiomes, nutrition, PD-synucleopathies and gut brain axis Chairs: Dr. BN Srikumar NIMHANS & Dr. Yogesh Kumar, AIIMS, Patna</p> <ol style="list-style-type: none"> Dr. Gokul K, NIMHANS: <i>Decoding the Gut–Brain Axis</i> Dr. Sivaraman Padavattan, Biophysics, NIMHANS. <i>Nuclear role of Parkinson's Disease–Associated α-Synuclein</i> PG Students oral presentations 	<p>Physiology of Lifestyle Modifications Chairs: Drs. Ravindra PN, NIMHANS & Shilpa Gupta, AIIMS, Nagpur</p> <ol style="list-style-type: none"> Dr. Ajay Bhatt, Professor & HOD physiology, M.G.M. Medical College Indore: <i>A Comparative Analysis of Perceived Stress In Yoga- Practitioners And Gym-Exercisers</i> Dr Neena Sharma, AIIMS Jammu: <i>Nutrition And Lifestyle Intervention</i> Dr. Sunidhi Sharma, ESIC medical college and Ludhiana: <i>Yoga and Diet as Adjunctive Therapy in Major Depressive Disorder</i> Dr Geetanjali Kumari, Hind Institute of Medical Sciences Safedabad UP: <i>Exploring the dietary pattern and substance abuse among future</i>

	<p>5. Dr. Sai Sailesh Kumar Goothy, Professor, Department of Physiology, BGS Medical College and Hospital, Bangalore: <i>Vestibular stimulation in Clinical practice & Research</i></p> <p>6. Dr. Amitabh Bhattacharya, University of Toronto: <i>Transcranial ultrasound for Parkinson's disease</i></p>		<p><i>healthcare Providers in Central India: A cross-sectional study</i></p> <p>5. Dr Subodh Pandey, Professor & Head, Gandhi Medical College, Bhopal: <i>Effectiveness of Mirror Therapy in Alleviating Phantom Limb Pain for Patients with Unilateral Upper Limb Amputation</i></p> <p>6. Dr. Afshan Zainab Hasan, Department of Physiology, Ramaiah Medical College, RUAS: <i>Low Energy Availability and Menstrual Abnormalities in Female Athletes: A Cross-Sectional Study</i></p> <p>7. Dr. Fathima Kinza Department of Physiology, Ramaiah Medical College <i>Paradoxical Hypertension in Anaphylaxis: Insights into Compensatory Cardiovascular Physiology</i></p> <p>8. Dr D C Khaleel Hussain, Jaipur National University, Jaipur <i>Non-invasive electrical vestibular nerve stimulation: An adjunctive therapy for insomnia in patients with Parkinson's disease</i></p>
4:30–5:00 PM	Tea break		
	Symposium 19 (Hall B)	Parallel Symposium 20 (Hall C)	Investigator's Colloquium I (Board Room, I floor CC)
5:00-6:30 PM	<p style="text-align: center;">Sleep, Cognition & Consciousness Neuroscience</p> <p>Chairs: Drs. Ratna Sharma, Dept of Physiology, AIIMS, New Delhi & Ravindra PN Dept of Neurophysiology, Center for Consciousness Studies, NIMHANS</p> <p>1. Dr. Partha Haldar, Dept. of Community Medicine, AIIMS New Delhi <i>Sleep quality and cognition among the ageing population in India- perspective from a cohort</i></p> <p>2. Dr. Uma Maheswari, Dept of Pulmonology. St. Johns Medical College, Bengaluru <i>OSA, Sleep quality and cognition</i></p> <p>3. Dr. Ravindra PN, Dept of Neurophysiology, NIMHANS</p>	<p style="text-align: center;">Medical Education</p> <p>Chairs: Dr. Laxmi T Rao & Dr. Abhinav Dixit, Professor and Head (Physiology), AIIMS Jodhpur</p> <p>1. Dr. Manjinder Kaur, Professor & HOD of Physiology, Vice-Principal, Geethanjali Medical University, Udaipur: <i>From Gen Z to Gen Alpha: Transforming Teaching Styles for the Next Learner</i></p> <p>2. Dr. Pranali Bhandare, Department of Physiology Chhatrapati Sambhaji Maharaj Government Medical College & Hospital Satara: <i>MCQ Validation: Ensuring Quality and Fairness in Physiology Assessments</i></p> <p>3. Dr. Vaishali Paunikar, Dean Academics, Faculty of Medicine, Datta Meghe Institute of Higher Education and Research: <i>Innovative Pedagogical Strategies in Physiology: Beyond Traditional Teaching</i></p> <p>4. Dr Manjusha Shinde, All India Institute of Medical Sciences, Kalyani: <i>Student Challenges in Physiology: Adapting to the Competency-Based Curriculum</i></p> <p>5. Dr. R Havilah Twinkle, Professor, Maharajah's Institute of Medical Sciences, Nellimarla, Vizianagaram AP: <i>Comparison of Outcomes Between Teacher-Led Large Group Teaching and Scenario-Based Team Learning in Physiology Among Phase I MBBS Students</i></p>	<p>Chairs: Dr. Vijayalakshmi K, NIMHANS & Dr. Prabal Joshi, AIIMS Raebareli</p> <p>1. Dr. Sowmya S, Department of Physiology, St Johns Medical College, Bengaluru-34: <i>Early Vascular Dysfunction in Young Adults: The Role of BMI in Modulating Endothelial Response to Exercise</i></p> <p>2. Dr Kavita Singh, SGRRIMHS, Dehradun: <i>Nomophobia and its consequences on medical students</i></p> <p>3. Dr. Srushti Patel, Pramukhswami Medical College, Karamsad: <i>Gender Differences in Body Image Perception and Anthropometric Correlates Among Young Adults</i></p> <p>4. Dr. Athira S.B, Department of Physiology, Sri Manakula Vinayagar Medical College and Hospital, Puducherry: <i>Neuroinflammation and HRV: Unraveling the Link in Epilepsy</i></p> <p>5. Dr. M Renugasundari, Department of Physiology, Sri Manakula Vinayagar Medical College and Hospital, Puducherry: <i>Association of Psychological Distress with Reduced Baroreflex Sensitivity in Mid-Trimester Gestational Diabetes Mellitus</i></p> <p>6. Amrita Lumbani, Department of Physiology, Hind Institute of Medical Sciences Safedabad UP: <i>Interrelationship Between Carotid-</i></p>

	<p><i>Newer dimensions of objective sleep variables to correlate with subjective sleep quality</i></p> <p>4. Dr. Ravi Yadav, Professor, Dept of Neurology, NIMHANS <i>REM behaviour disorder and cognition</i></p> <p>5. Dr. Arun Sasidharan, Scientist -D, Dept of Neurophysiology, Center for Consciousness Studies, NIMHANS <i>Exploring sleep ERP to assess cognition during sleep</i></p>	<p>6. Dr. Samata Padaki, Department Of Physiology, K.H. Patil Institute of Medical Sciences, Gadag: <i>Evaluation of the Learning Environment among Undergraduate Medical Students Using the DREEM Scale</i></p> <p>7. Dr. A Ashwini, Prof. Physiology MR Medical College Affiliated to RGUHS: <i>Comparative Analysis of Traditional and Jigsaw Teaching Methods in Physiology</i></p> <p>8. Dr. Umme Kulsoom Sheema, Dept. of Physiology, Mahadevappa Rampure Medical College, Kalaburagi: <i>A Cross-sectional Study to Evaluate the Effectiveness of Game-Based Learning as an Adjunct to Small Group Teaching Sessions in Physiology</i></p> <p>9. Dr. Arrthy S, Professor & HOD Dept of Physiology, SIMS & RH Tumkur: <i>Perception of 1 st year MBBS students regarding model making as a learning method</i></p>	<p><i>Femoral Pulse Wave Velocity, Rate-Pressure Product, and LVET in Obesity: A Cross-Sectional Study</i></p> <p>7. Dr. Atul Jain Singhai, JNMC, AMU, Aligarh: <i>Correlation Between Peak Expiratory Flow Rate and Cognitive Decline in Workers of Small-Scale Metal Industries</i></p> <p>8. Dr. Humairah Shafi, Government Medical College, Srinagar: <i>Beyond Blood Pressure: Gendered Patterns of Autonomic Control</i></p> <p>9. Dr. Mohammad Arif Shaikh, MS Ramaiah Medical College And Hospital Bengaluru: <i>Cardiovascular Autonomic Dysfunction In Patients of Parkinson's Disease</i></p>
6:30-7:30 PM	General Body Meeting of ASSOPI (Hall B)		
7:30 PM onwards	Cultural Program (Hall A) & Gala Dinner		

Day 3: Thursday Dec 11, 2025 (7:30 am – 3 pm)

Time	Session, Speakers & Venue	Session, Speakers & Venue	Session, Speakers & Venue
7:30–9:00 AM	Breakfast & Registration		
9:00–9:30 AM Hall A	<p>Keynote Address 5: Dr. Harish Poptani, Department of Molecular & Clinical Cancer Medicine, ISMIB, University of Liverpool, UK</p> <p>Translational MRI tools to assess neurological and neurodevelopmental disorders</p>		
9:30-10:00 AM	<p>Keynote Address 6: Dr. Bindu M. Kutty, Former Dean & Retired Senior Professor of Neurophysiology: Neuroscience of Consciousness – Perspectives from contemplative Traditions</p>		
10-10:30 AM Hall A	<p>Keynote Address 7: Dr. Shripad Deshpande, <i>Founder President ASSOPI, Professor, Nobel Medical College Teaching Hospital Biratnagar, Nepal</i></p> <p>Systemic to Molecular Approach in Understanding Huntington Disease Experimentally</p>		
10:30-11:45 AM Hall A	<p><u>Award paper session: to be conducted by General Secretary, ASSOPI</u></p> <p>Prof. A. S. Paintal Oration Award Prof. S. B. Deshpande Award Prof. G. K. Pal Award Shri S. N. Chaudary Memorial Award Shri Ram Murti Smarak Award Shri B. M. Patil Memorial Award Prof. Narsingh Verma Award</p>		
11:45-12:00 PM	Tea break		
	Symposium 21 (Hall B)	Symposium 22 (Hall C)	Young Investigator's Colloquium II (Board Room, I floor CC)
12:00–1:30 PM	<p>Ayurveda, Yoga as Integrative Medicine</p> <p>Chairs: Drs. Raj Kumar Yadav, AIIMS, Delhi; Kishore Kumar, NIMHANS; Vadiraja. HS, CCRYN</p> <p>1. Dr. Hemant B, Dept of Integrative Medicine, NIMHANS: <i>Yoga and Integrative Physiology</i></p>	<p>Exercise & Sports Physiology</p> <p>Chairs: Dr. Laxmi T Rao, NIMHANS, Dr. Vivek Sharma, AIIMS, Rajkot</p> <p>1. Dr. Harpreet Kour, Associate Professor,</p>	<p>Chairs: Dr. Sabita Yogaraj SMVDIME, Kakryal & Jayshree Phurailatpam, RIMS, Manipur</p> <p>1. Dr. Alpa Nasrin Samuel Shaikh, All India Institute of Medical Sciences, Kalyani: <i>Correlation Between Individual Sensory Latency Differences & Timed Phalen's Test in Carpal Tunnel Syndrome Patients</i></p>

	<p>2. Dr. Hasmukh Shah, Department of Physiology, Dr. M. K. Shah Medical College, Ahmedabad: <i>Autonomic Function Modulation Through Stress Reactivity Testing and the Interplay of Metabolic Status in Managing Hypertension</i></p> <p>3. Dr. Varun M, AIIMS Bhopal: <i>Investigating the Interconnections of Mind-Body Medicine: A Scientific Study of Meditation and Mindfulness</i></p> <p>4. Dr. Inbaraj G, Central Council for Research in Yoga and Naturopathy, Ministry of AYUSH. <i>Cancer, Autonomic Dysregulation, and the Role of Integrative Yoga in Mitigating Chemotherapy-Induced Adverse Effects</i></p> <p>5. Ms Sumathi Jayaraman, Director Sri Sri Institute for Advanced Research. <i>Extraordinary Cognitive Abilities by yogic sadhana: Multi-Modal Investigations</i></p>	<p>Department of Physiology, Jawaharlal Nehru Medical College, Belagavi: <i>Exercise as Optimization: The Circadian Synergy of Movement, Meals, and Sleep for Metabolic Health</i></p> <p>2. Dr. Manish Parihar Professor Department of Physiology SNMC Jodhpur (RUHS). <i>Effect of Sports on State and Trait Anxiety & Heart Rate Variability</i></p> <p>3. Dr. Maibam Nodiyachand Singh, Professor, Department of Physical Education and Sports Science, Manipur University (A Central University), Canchipur. <i>Treatment with Yogic Related Exercise on Symptomatic Cervical Spondylosis</i></p>	<p>2. Prashant Kumar Saini, All India Institute of Medical Sciences, Bilaspur, H.P: Interaction of baroreflex function and cerebral autoregulation during graded head up tilt</p> <p>3. Dr. Mamta Shobhawat, AIIMS Jodhpur: Evaluation of impact of software choice on HRV metrics in healthy subjects- a cross-sectional study</p> <p>4. Dr Deepak S, All India Institute of Medical Sciences Raipur: Open Flexure Microscope: An Open-Source, Cost-Effective and Portable microscope with potential in domains of Teaching-Learning, Research and Diagnostics</p> <p>5. Dr. Sreya Konusu, Department of Physiology, All India Institute of Medical Sciences: <i>Cognitive Sequelae of Superior Longitudinal and Inferior Fronto-Occipital Fasciculus Lesions: Post-Operative Neuropsychological Evaluation</i></p> <p>6. Retash Shan, Senior Resident of Clinical and Interventional Physiology, AIIMS Patna: <i>Diagnostic Accuracy of Nerve Ultrasound versus Standard Diagnostic Methods in Patients with ALS</i></p> <p>7. Dr Asmita Singh, Jawaharlal Nehru Medical College, AMU, Aligarh: Cognitive dysfunction in PCOS and its correlation with VEP (Visual Evoked Potential) changes</p> <p>8. Saran AK, All India Institute of Medical Sciences Patna: The Effect of 40 Hz Binaural Beats on Cognitive Performance Tests in Adults with Major Depressive Disorder: a Randomized Controlled Trial</p>
1:30–2:00 PM	Valedictory Function (Hall B)		
2:00 -3:00 PM	Lunch		

***Poster presentation schedule:**

Day 1 (Poster session I: Dec 9: 2-4 pm): Posters: 1-80:

Day 2 (Poster session II: Dec 10, 2-3 pm: 81-end)

Poster No	Presenter	Poster No	Presenter	Poster No	Presenter	Poster No	Presenter
1	Hamsapriya M.	39	Priyanka K	77	Savita	115	Pal Komal Jagannath
2	Bijoya Terangpi	40	Suchithra G	78	Gisna Susan George	116	Syeda Habeeb Unnisa
3	Subasri S.	41	Md Attaur Raheman	79	Seema Tewari	117	Waheda Zohra Tahmeen
4	Muhammad MK. P.	42	Nitin Sharma	80	Varnica Gupta	118	Dilip Ashok R
5	Akriti Jaiswal	43	Patel Shoyeba I	81	Bhagya Nair	119	Aryan Tiwari
6	Niyati N. Mehta	44	Asha S. Das	82	Vidyavardhini R.	120	Balakrishnan K.
7	Ashmita Chakraborty	45	Jinal Shah	83	C. H. Sangeetha	121	Seema Tewari
8	Vivek J. Hudson Harris	46	Swati Thakur	84	S. P. Berjin	122	Aayushi Sinha
9	Hannah Lukram	47	Prathiba K.	85	S. Prabin	123	Mohd Amaan
10	Deepti Chauhan	48	Diana Irengbam	86	Navathej Rajsankar B.	124	Bhavya Srivastava
11	Mohini Ashokrao Hiware	49	Sonali Garewal	87	K. Ankush Patil	125	Poojitha Ranga H. P.
12	Priyanka G.	50	Khushboo Kumari	88	Poovarasani P.	126	T. Sailaja
13	Biswarupa Majumder	51	Mansi Verma	89	Mohd Zubair Zeeshan	127	Aqsa Khanum
14	Sumeet Gill	52	Namrata Priya	90	Pranjal Jain	128	Parani L.
15	Soibam Nivarani	53	Vijayabaskar V.	91	Palak Gupta	129	Sanghmitra KS
16	Swati Gupta	54	Thamizharasi D.	92	Kuldeep Kumar	130	Deepika Poonima G.
17	Devshankar Moosad Ei	55	Riya	93	Ruhana Shahani	131	Karishma AS
18	Brajesh Kumar	56	J Nageswara Rao	94	Alolika B	132	Nuthanakanti Vijay K
19	Sumitra Maddirala	57	Jemi Prisca M.	95	Mohammad Nabeel Khan	133	Hima Bindu E.
20	Bhargavi M. D.	58	Waikhom S Devi	96	Alan Clifford A.	134	KVCN Madhavi Latha
21	Agalya M.	59	Thilak M.	97	Devshankar MEI	135	Devisree D.
22	Parijat Priyadarshini	60	T Joshila Devi	98	AnanthaRanga RNK	136	Shuchita S
23	Sobiya Afroz	61	Simran Lalwani	99	S. Dhanya Nayak	137	Lekshmi Krishna
24	Nayanmoni Mahanta	62	Kankana	100	V. V. Anusree	138	Ramya V.
25	Rutam Bhalendu V	63	Atchaya D.	101	Sai Sankar B	139	Nisha Sarkar
26	Kanchan Aheibam	64	U Lakshmi MV	102	Divya R.	140	Rudraksh Banga
27	Akshara Awasthi	65	Anupama S.	103	Syed Wajid Ali	141	K. Anand Kumar
28	Akanksha Singh	66	Asit Baran Bayen	104	Adla Zubair	142	A. Hymavathi
29	Rajesh Gadewar	67	Subhajit Sarkar	105	Suma Bhaskar	143	Herojit Yumnam
30	Ponmani Selvan P.	68	Hijam Tararani	106	Amritharekha P.	144	Rini P G
31	D. Shaalini	69	Swayamyuti	107	Rhea Susan K	145	Isha Bhise
32	Divya Bharathi V.	70	Surmayee Shekhar	108	Ganga K.	146	Bhagwat K
33	Revathi K.	71	Anchana Babu	109	Abanti Chowdhury	147	Archanalakshmi K
34	Shifa Habeeb	72	Sattwika Banerjee	110	Kumar Nischay J	148	Rajendra Prasad J
35	Aasmin Unissa	73	Maya D. Jagatap	111	Amrutha R. Nayak	149	
36	Sireesha Ganga	74	Ashutosh Kashyap	112	Vishnupriya S.	150	
37	Shreya Pandey	75	Mohammed Tahseen	113	Keerthana Padmanabhan	151	
38	Pankaj Kumar Patel	76	P. D. Kavya	114	Pooja Ghosh	152	