

International Symposium on Translational Neuroscience & XXXII Annual Conference of the Indian Academy of Neurosciences



November 1 - 3, 2014

THEME: Translational Research: Novel Approaches to Treat Neurological and Psychiatric disorders

Tentative Scientific Program

Venue Convention Centre



National Institute of Mental Health and Neuro Sciences, Bengaluru, India

Day 1: Saturday; November 1, 2014

0730 - 0830 hrs.	Registration and Breakfast
0830 - 0845 hrs.	Welcome Address
	Auditorium - 1, Convention Center, NIMHANS, Bangalore
0845 - 0930 hrs.	Keynote Address
	Chairperson: T.R. Raju, Senior Professor, Department of Neurophysiology, NIMHANS, Bangalore
	V. Mohan Kumar, Emeritus Scientist and Visiting Professor, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram, Kerala
	Neural control of sleep takes a full circle
0930 - 10.15 hrs.	B.K. Bachhawat Memorial Life Time Achievement Award Lecture
	Chairperson: M.K. Thakur, Brain Research Centre, Banaras Hindu University, Varanasi
	P. Satish Chandra, Director & Vice Chancellor, Senior Professor, Department of Neurology, National Institute of Mental Health and Neuro Sciences, Bengaluru
	Translational Research in Epilepsy : Our Experience
1015 - 1045 hrs.	Plenary Lecture 1
	Chairperson: TBA
	Georg Reiser, Institute for Neuro Biochemistry Medical Faculty of the Otto-von-Guericke University Magdeburg Leipziger, Germany
	Lipids in Neurodegeneration and Neuroprotection -Regulation of Peroxisome proliferator-activated receptors in brain by activation by toll-like receptors agonists
1045 - 1100 hrs.	Coffee / Tea Break
	Auditorium – 2, Convention Center, NIMHANS

1100 12001	Communication 4
1100 - 1300 hrs.	Symposium 1
	ISN Symposium Title: Molecular Stroke Research: Recent Advances of Mechanisms of Brain Damage and Therapies
	Convener: Raghu Vemuganti, University of Wisconsin, Madison, USA
	Chairperson/s: TBA
	1. Jun Chen, University of Pittsburgh, Pittsburgh PA USA Interplay of inflammation and oxidative DNA damage in cerebral ischemia
	2. Johannes Boltze, Fraunhofer Institute of Cell Therapy & Immunology, Leipzig, Germany Mononuclear bone marrow cell transplantation and post-stroke recovery
	3. Farida Sohrabji, TAMHSC College of Medicine, Bryan, TX, USA Age and sex-specific regulation of microRNA: a strategy for stroke therapy
	4. Kunjan Dave, University of Miami, Miami FL USA, Diabetes mediated molecular changes after stroke and therapeutic implications
	5. Raghu Vemuganti, University of Wisconsin, Madison WI, USA Role of noncoding RNAs in post-stroke secondary brain Damage
	Auditorium – 3, Convention Center, NIMHANS
1100 - 1300 hrs.	Symposium 2
	Neural Basis of Addiction
	Convener: Dipak Sarkar, Rutgers University, New Jersey, USA
	Chairperson/s: TBA
	1. Dipak Sarkar, Distinguished Professor, Rutgers University, New Brunswick, New Jersey
	Inheritability of alcohol epigenetic marks on the brain and its relevance for psychopathology and immune disease
	2. Gunter Schumann, Chair in Biological Psychiatry, King's College, London Reinforcement processing and its relevance for psychopathology: Neurobehavioural and genetic analysis in the IMAGEN study
	3. Peter Dodd, The University of Queensland, Brisbane, Australia Genetic Modulation of GABA and Glutamate Receptor Subunit Expression in the Human Alcoholic Brain
	4. Alfreda Stadin, Professor, Chungbuk National University School of Medicine, University of South Korea, Chungbuk, South Korea <i>Personality traits, craving and genetic associations in alcoholic in-patients</i>
	5. Ratna Sircar , Professor of Psychology, The City College of New York, CUNY, New York, NY, USA, <i>Adolescent ethanol-induced cognitive deficit: role of ionotropic glutamate</i>
	Audiescent ethanor-madea cognitive deficit. Fore of fortouropic glatamate

	receptor
1300 - 1400 hrs.	Lunch Dining Hall, Convention Center, NIMHANS
	Auditroium – 1, Convention Center, NIMHANS
1400 - 1600 hrs.	Symposium 3
	Neurobiology of Ageing and Alzheimer's Disease
	Convener: Asha Devi, Laboratory of Gerontology, Department of Zoology, Bengaluru University, Bengaluru
	Chairperson/s: TBA
	1. M.K. Thakur, Brain Research Centre, Banaras Hindu University, Varanasi Epigenetic regulation of memory decline -Insights from aging and amnesia model
	2. Asha Devi, Bengaluru University, Bengaluru Hippocampal Stress Responses in the Old: An interplay of antioxidants
	3. Jamuna R. Subramaniam, Associate Professor, Sri Ramachandra University, Chennai
	Unique pathways in lifespan extension and Alzheimer disease- causing- Amyloid beta toxicity protection
	4. Pravat Mandal, Professor, National Brain Research Centre, Manesar Brain Glutathione Level as an Early diagnostic marker for the Alzheimer disease: Non-Invasive brain imaging study
	5. Ranjit Giri, National Brain Research Centre, Manesar, Haryana CNS stem cells based model of Alzheimer's disease and its implication on drug discovery
	Audtorium - 2, Convention Center, NIMHANS
1400 - 1600 hrs.	Symposium 4
	IAN-FAONS Symposium - Imaging Tools For Basic and Interventional Neurodegenerative Research
	Conveners: Sunil Kaul, Chief Senior Research Scientist, AIST, Japan Ishan K. Patro, Professor, Jiwaji University, Gwalior
	Chairperson: TBA
	1. Motomichi DOI , National Institute of Advanced Industrial Science & Technology (AIST), Japan Molecular and cellular analysis of neuronal circuit formation in C. Elegans
	2. Riichi Kajiwara, School of Science and Technology, Meiji University, Japan Whole-scale voltage imaging of limbic network using ex vivo brain preparations
	3. Tomoyo Ochiishi, National Institute of Advanced Industrial Science & Technology (AIST), Japan

	Development of new animal models of Alzheimer's disease visualizing the Intracellular dynamics of the amyloid β protein
	4. Tusharkanti Ghosh, University of Calcutta COX -2 in neurodegeneration and immunological changes in colchicine induced rats
	5. Akshay Anand, Postgraduate Institute of Medical Education and Research, Chandigarh Elevated expression of neurotrophic and growth factors after stem cell transplantation in a mouse model of pterygopalatine artery ligation induced retinal ischemia-reperfusion injury
1400 1600 1	Auditorium - 3, Convention Center, NIMHANS
1400 - 1600 hrs.	Symposium – 5
	Parkinson's Disease: Hope through Basic research
	Chairperson: TBA
	1. Renu Wadhwa, National Institute of Advanced Industrial Science &
	Technology (AIST), Tsukuba, Japan Melagular and imaging studies on the role of stress shapevens montalin in
	Molecular and imaging studies on the role of stress chaperone mortalin in Parkinson's disease
	Turkinson's disease
	2. Surya Pratap Singh, Associate Professor, Neurobiology Laboratory,
	Department of Biochemistry, Banaras Hindu University, Varanasi
	Neuroprotection and treatment of Parkinsonian mice by Mucuna pruriens and Withania somnifera
	3. Anita Jagota, Associate Professor, Neurobiology and Molecular Chronobiology Laboratory, Department of Animal Sciences, School of Life Sciences, University of Hyderabad, Hyderabad, Andhra Pradesh
	Neurodegeneration studies in Aging and Parkinson Disease: Chronomics of
	Serotonin metabolism, Protein profile and Clock gene expression
	4. Pushpa Dhar, Professor, Department of Anatomy, AIIMS, New Delhi Toxic effects of perinatal arsenic (iAs) exposure on developing rat cerebellum and the beneficial role of exogenous antioxidants- A preliminary study
	5. Nilkanta Chakrabarti, Department of Physiology, University of Calcutta, University College of Science & Technology, Kolkata, West Bengal, India Spatial effects of Paraquat Toxicity in Brain to develop Parkinsonism.
	Coffee / Tea
1600 - 1700 hrs.	Poster Session
	1st Floor, Convention Centre, NIMHANS
1730 - 1830 hrs.	Inauguration
4000 0400	Auditorium – 1, Convention Centre, NIMHANS
1900 - 2130 hrs.	Dinner

Day 2: Sunday; November 2, 2014

	Auditorium – 1, Convention Center, NIMHANS
0900 - 0930 hrs.	VT Shotty Momorial Oration
0900 - 0930 nrs.	KT Shetty Memorial Oration
	Chairperson: TBA
	B.S. Shankaranarayana Rao, National Institute of Mental Health and Neuro Sciences, Bengaluru
	The Ever Changing Brain : New Challenges in treating Brain Disorders
0930 - 1000 hrs.	Plenary Lecture 2
	Chairperson: TBA
	Upinder Singh Bhalla, National Centre for Biological Sciences (NCBS), Bengaluru
	Hippocampal activity and connectivity changes during learning, as seen through two-photon imaging
1000 - 1030 hrs.	Plenary Lecture 3
	Chairperson: TBA
	Dracti Loghi Drafessor and Head National Institute of Mantal Health and Naura
	Preeti Joshi, Professor and Head, National Institute of Mental Health and Neuro Sciences, Bengaluru
	To be updated
1030 - 1100 hrs.	Plenary Lecture 4
	Chairperson/s: TBA
	Ghanshyam N. Pandey, Professor Director, Mood Disorders and Suicide Research, University of Illinois at Chicago, Chicago, IL, USA
	Adaptive and Innate Immunity in Depression and Suicide
1100 - 1130 hrs.	Coffee / Tea Break
1130 - 1330 hrs.	Auditorium – 2, Convention Center, NIMHANS
	Symposium 6
	Neuroinfection and Neurodegeneration
	Chairperson/s: TBA
	1. Pankaj Seth, Professor, National Brain Research Centre, Manesar, Gurgaon Friends turn foe - Role of astrocytes in HIV-1 neurodegeneration
	2. Pravir Kumar, Associate Professor, Delhi Technological University, Delhi Abrogated cell cycle entry and neuro-muscular degeneration: a lethal move by cell

	 Rakesh Shukla, Head, Department of Pharmacology, CDRI – Central Drug Research Institute, Lucknow, Professor: Academy of Scientific and Innovative Research (AcSIR) Contribution of astroglial cells to the development of Alzheimer's disease pathology S. Prasad, Banaras Hindu University, Varanasi Mechanisms of recovery of memory loss by Bacopa monnieri extract in the scopolamine- induced amnesic mice S. K. Trigun, Biochemistry section, Department of Zoology, Banaras Hindu University, Varanasi, INDIA Exploring Pannexin1-nNOS Axis as a Therapeutic Target in a Neuroexcitotoxic Model
	Auditorium - 3, Convention Center, NIMHANS
1130 - 1330 hrs.	Symposium 7
	Molecular Mechanisms of Neurodegeneration and Neuroprotection – Advances and Challenges
	Convener: Vinay K. Khanna, CSIR – Indian Institute of Toxicology Research, Lucknow
	Chairperson: P.K. Seth, Biotech Park, Lucknow
	1. A. B. Pant, CSIR-Indian Institute of Toxicology Research, Lucknow Molecular mechanism of switching TrkA/p75NTR signaling in monocrotophos Induced neurotoxicity in stem cell derived neuronal cells
	2. Vinay K. Khanna, CSIR-Indian Institute of Toxicology Research, Mahatma Gandhi Marg, Lucknow Brain dopaminergic and cholinergic alterations following arsenic exposure in
	developing rats – An insight into the molecular mechanism
	3. Anil Kumar Chauhan, Department of Internal Medicine, University of Iowa, Iowa City, IA, USA
	Genetic ablation of alternatively-spliced extra domain A of cellular fibronectin Protects hypercholesterolemic mice from acute stroke injury by reducing thrombo-inflammation
	4. Rajat Sandhir, Professor, Punjab University, Chandigarh, Punjab S-nitrosoglutathione attenuates blood brain barrier disruption in experimental diabetes: Role of matrix metalloproteinases and tight junction proteins
	5. Manorama Patri, School of Life Sciences, Ravenshaw University, Cuttack Benzo[a]pyrene-Induced Anti-Depressive-like Behaviour in Adult Wistar rats: Role of Monoaminergic Systems
1330 - 1430 hrs.	Lunch Break Dining Hall, Convention Center, NIMHANS
	Auditorium – 1, Convention Center, NIMHANS
1430 - 1630 hrs.	Symposium 8

Developmental Neurobiology

Convener:

Zaved Ahmed Khan, FICER, Assistant Professor, VIT University, Vellore, Tamil

Chairperson/s: TBA

- 1. **T. S. Roy,** All India Institute of Medical Sciences, New Delhi Development and aging changes in the human auditory nerve, spiral ganglion and cochlear nucleus
- 2. **Soumya Iyengar,** Additional Professor and Scientist National Brain Research Centre, Manesar, Gurgaon

 Development of Neural Circuits in the Human Auditory Cortex
- 3. **Usha Rajamma**, Manovikas Kendra Rehabilitation & Research Institute for the Handicapped, Kolkata, West Bengal Serotonin transporter gene (SLC6A4)polymorphisms modulate platelet 5-HT level and specific behavioural phenotypes of autism
- 4. **Mehdi Hayat Shahi,** Interdisciplinary Brain Research Centre (IBRC), Aligarh Muslim University, Aligarh Role of Sonic hedgehog signaling transcription factors in brain tumors development
- 5. **Mukhopadhyay K**, Manovikas Biomedical Research and Diagnostic Centre, Kolkata 700107, India.

DRD4 promoter variants: Significant association with short attention span and information processing error in eastern Indian ADHD probands.

Auditorium - 2, Convention Center, NIMHANS

1430 - 1630 hrs.

Symposium 9

Neural Plasticity and Brain Repair

Convener:

Gurucharan Kaur, Department of Biotechnology, Guru Nanak University, Amritsar

Chairperson:

N.B. Joshi, Professor-Emeritus-CSIR, National Institute of Mental Health and Neuro Sciences, Bengaluru

- 1. **Gurcharan Kaur,** Professor, Guru Nanak Dev University, Amritsar Search for natural products with neurodifferentiation and neuroprotective potential
- 2. **Aurnab Ghose**, Indian Institute of Science Education Research (IISER), Pune *Peptidergic neuromodulation of the feeding drive*
- 3. **N. K. Subedar,** Indian Institute of Science Education and Research (IISER), Pune

	Noradrenergic innervation from locus coeruleus to posterior ventral tegmental area regulates ethanol reward in rats
	4. Praful Singru, National Institute of Science Education and Research (NISER),
	Bhubaneswar, Orissa
	Neural circuitry regulating food intake, energy balance and reproduction: shared neural pathways and common messengers
	5. Sunita Mittal, Professor and Head, Department of Physiology, Shri Guru Ram Rai Institute of Medical & Health Sciences (SGRRIMHS), Dehradun, Uttrakhand <i>Processing and improvement of memory</i>
	Auditorium – 3, Convention Center, NIMHANS
1430 - 1630 hrs.	Symposium 10
	Current Trends in Neuroscience
	Convener:
	 Chairperson: Gayathri N, Professor of Neuropathology, National Institute of Mental Health and Neuro Sciences, Bengaluru Kamalesh Gulia, Sleep Disorders Research Lab, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Kerala, India
	1. Anil Kumar, Professor and Chair, Kansas City, USA
	HIV-1 gp120 mediated ER Stress and Cell Death in CNS
	2. Gurwattan S. Miranpuri, University of Wisconsin, Madison, WI Considerations of Fluidic Delivery to the Parenchyma
	3. Sunil Kumar Hota, Head, Neuroscience Research Group, Defence Institute of High Altitude Research, Leh-Ladakh
	Hypoxic neurodegeneration: looking beyond excitotoxicity & apoptosis
	4. R. V. Omkumar, Scientist-F, Molecular Neurobiology Division, Rajiv Gandhi
	Centre for Biotechnology, Thiruvananthapuram Neuroprotection by NMDA receptor inhibition- Search for new molecules
	5. R Mishra, Banaras Hindu University, Varanasi
	Coffee / Tea
1630 - 1730 hrs.	Poster Session
	1st Floor, Convention Centre, NIMHANS
1800 - 1900 hrs.	General Body Meeting
1900 - 2000 hrs.	Auditorium – 2, Convention Centre, NIMHANS Cultural Events
2000 113.	Auditorium – 1, Convention Centre, NIMHANS

Day 3: Monday; November 3, 2014

	Auditorium – 1, Convention Center, NIMHANS
0900 - 0930 hrs.	Professor Mahdi Hasan Memorial Lecture
	Chairperson/s: TBA
	S.K. Shankar, Senior Professor- Emeritus, National Institute of Mental Health and Neuro Sciences, Bengaluru
	Neuro Sciences, Dengaluru
	To be updated
0930 - 1000 hrs.	Plenary Lecture 5
	Chairman and An TDA
	Chairperson/s: TBA
	Shashi B Singh, Outstanding Scientist & Director, Defence Institute of Physiology
	and Allied Science, Timarpur, Delhi Neuropsychological assessment for cognitive decline in acclimatized lowlanders
	staying at high altitude using Multi-domain cognitive screening test
1000 - 1030 hrs.	Plenary Lecture 6
	Chairperson/s: TBA
	Bindu M Kutty, Professor of Neurophysiology, National Institute of Mental Health
	and Neuro Sciences, Bengaluru Human Sleep Organization: A window to assess brain functions from illness to
	wellness
1030 - 1100 hrs.	Plenary Lecture 7
1030 - 1100 ms.	Tienary Lecture 7
	Chairperson/s: TBA
	Subhash C. Pandey, Professor & Director, Neuroscience Alcoholism Research,
	University of Illinois at Chicago, Chicago, IL
	Neuroepigenetics and Alcoholism
1100 - 1130 hrs.	Coffee / Tea Break
1130 - 1330 hrs.	Tulsabai Somani Educational Trust Award Auditorium - 1, Convention Center, NIMHANS
	Dr. D. M. Kar Prize
	Auditorium – 1, Convention Center, NIMHANS Auditorium – 2, Convention Center, NIMHANS
1130 - 1330 hrs.	Symposium 11
	Promising research on Parkinson's Disease
	Convener:
	K P Mohanakumar, CSIR – Indian Institute of Chemical Biology, Kolkata
	Chairpersons:
	1) Dr. Jharna Ray, S. N. Pradhan Centre for Neurosciences, University of Calcutta, Kolkata, India

	2) Dr. Srinivas Bharath, Department of Neurochemistry, NIMHANS,
	Bangalore
	g
	1. Mobarak Hossain, Director, IBRC, Aligarh Muslim University, Aligarh <i>Targeting Sonic hedgehog signaling pathway to treat Parkinson's disease</i>
	2. Mohanakumar KP, CSIR-Indian Institute of Chemical Biology, Division of Cell Biology and Physiology, Laboratory of Clinical and Experimental Neuroscience, 4-Raja S. C. Mullick Road, Jadavpur, Kolkata – 700 032, India HSPA8 and prohibtin, two differentially expressed proteins in substantia nigra and ventral tegmental area: Relevance to dopaminergic neurodegeneration of substantia nigra in Parkinson's disease.
	3. Subhas Chandra Biswas, Laboratory of neurodegenerative diseases, CSIR-Indian Institute of Chemical Biology, 4 Raja S. C. Mullick Road, Kolkata 700 032 <i>Transcription factor FoxO3a mediates neuron death in a model of Parkinson's Disease</i>
	4. Samir K Maji, Department of Biosciences and Bioengineering, IIT Bombay, Powai, Mumbai 400076
	Understanding the mechanism of α -synuclein aggregation and its modulation: therapeutic approach against PD
	5. Shasi V Kalivendi, Centre for Chemical Biology, CSIR-Indian Institute of Chemical Technology, Uppal Road, Hyderabad
	In search of a Promising Target for Parkinson's Disease: Role of Iron-Dependent Oxidative Mechanism Versus Protein Aggregation Events
1130 - 1330 hrs.	Auditorium – 3. Convention Center, NIMHANS
1130 - 1330 hrs.	Auditorium – 3, Convention Center, NIMHANS Society for Neuroscience (SFN) – Bengaluru Chapter Sponsored Session
1130 - 1330 hrs.	Auditorium – 3, Convention Center, NIMHANS Society for Neuroscience (SFN) – Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children
1130 - 1330 hrs.	Society for Neuroscience (SFN) - Bengaluru Chapter Sponsored Session
1130 - 1330 hrs.	Society for Neuroscience (SFN) - Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener: T.N. Sathyaprabha, Department of Neurophysiology, National Institute of Mental
1130 - 1330 hrs.	Society for Neuroscience (SFN) - Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener:
1130 - 1330 hrs.	Society for Neuroscience (SFN) – Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener: T.N. Sathyaprabha, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru S. K. Shankar, Department of Neuropathology, National Institute of Mental Health and Neuro Sciences, Bengaluru P.K. Seth, Biotech Park, Lucknow T. R. Raju, NIMHANS, Bengaluru A.K. Agarwal, CSIR - IITR, Lucknow
1130 - 1330 hrs.	Society for Neuroscience (SFN) – Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener: T.N. Sathyaprabha, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru S. K. Shankar, Department of Neuropathology, National Institute of Mental Health and Neuro Sciences, Bengaluru P.K. Seth, Biotech Park, Lucknow T. R. Raju, NIMHANS, Bengaluru
1130 - 1330 hrs.	Society for Neuroscience (SFN) - Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener: T.N. Sathyaprabha, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru S. K. Shankar, Department of Neuropathology, National Institute of Mental Health and Neuro Sciences, Bengaluru P.K. Seth, Biotech Park, Lucknow T. R. Raju, NIMHANS, Bengaluru A.K. Agarwal, CSIR - IITR, Lucknow M.C. Arunan, TIFR, Mumbai Nagarjuna, TIFR, Mumbai Anita Mahadevan, NIMHANS, Bengaluru Yasmin Khan, Sophia College, Mumbai
	Society for Neuroscience (SFN) - Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener: T.N. Sathyaprabha, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru S. K. Shankar, Department of Neuropathology, National Institute of Mental Health and Neuro Sciences, Bengaluru P.K. Seth, Biotech Park, Lucknow T. R. Raju, NIMHANS, Bengaluru A.K. Agarwal, CSIR - IITR, Lucknow M.C. Arunan, TIFR, Mumbai Nagarjuna, TIFR, Mumbai Anita Mahadevan, NIMHANS, Bengaluru Yasmin Khan, Sophia College, Mumbai
1330 - 1430 hrs.	Society for Neuroscience (SFN) – Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener: T.N. Sathyaprabha, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru S. K. Shankar, Department of Neuropathology, National Institute of Mental Health and Neuro Sciences, Bengaluru P.K. Seth, Biotech Park, Lucknow T. R. Raju, NIMHANS, Bengaluru A.K. Agarwal, CSIR - IITR, Lucknow M.C. Arunan, TIFR, Mumbai Nagarjuna, TIFR, Mumbai Anita Mahadevan, NIMHANS, Bengaluru Yasmin Khan, Sophia College, Mumbai Lunch Dining Hall, Convention Center, NIMHANS Auditorium – 2, Convention Center, NIMHANS
	Society for Neuroscience (SFN) - Bengaluru Chapter Sponsored Session Popularization of Neuroscience Interactive session with School children Convener: T.N. Sathyaprabha, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru S. K. Shankar, Department of Neuropathology, National Institute of Mental Health and Neuro Sciences, Bengaluru P.K. Seth, Biotech Park, Lucknow T. R. Raju, NIMHANS, Bengaluru A.K. Agarwal, CSIR - IITR, Lucknow M.C. Arunan, TIFR, Mumbai Nagarjuna, TIFR, Mumbai Anita Mahadevan, NIMHANS, Bengaluru Yasmin Khan, Sophia College, Mumbai

	Convener:
	Bindu M. Kutty, Department of Neurophysiology, National Institute of Mental Health and Neuro Sciences, Bengaluru John P John, Department of Psychiatry, National Institute of Mental Health and
	Neuro Sciences, Bengaluru
	Chairperson/s: TBA
	1. John P John, Department of Psychiatry, National Institute of Mental Health and Neuro Sciences, Bengaluru Abnormalities of regional brain morphometry in schizophrenia: Effect of phenotype or genotype?
	2. G. Venkatasubrmaian, Additional Professor, National Institute of Mental Health and Neuro Sciences, Bengaluru
	Neuroplasticity & transcranial Direct Current Stimulation (tDCS): Translational Applications in Schizophrenia
	3. H.N. Harsha, Department of Physiology, KSHEMA, Mangalore Threat perception and its neural correlates in schizophrenia
	4. Sunil V Kalmady , National Institute of Mental Health and Neuro Sciences, Bengaluru
	Neuroimmunological Correlates of Hippocampus Abnormalities in Antipsychotic - Naive Schizophrenia : Translational Implications
	5. Govindaiah, Research Scientist, University of Illinois, Urbana, IL Dysregulated GABAergic inhibition in Fragile X Syndrome
	Auditorium - 3, Convention Center, NIMHANS
1430 - 1630 hrs.	Special Symposium : Exploring the Horizon - Careers Beyond Academic Research
	Convener: Tora Mitra Ganguli, GlaxoSmithKline Consumer, Gurgaon
	Chairpersons:
	1) Akshay Anand, PGI, Chandigarh2) R. V. Omkumar, Scientist-F, Molecular Neurobiology Division, Rajiv
	Gandhi, Centre for Biotechnology, Thiruvananthapuram
	1. Anurag Varshney, Daiichi Sankyo India 2. Rakhi Pal, INSTEM-NCBS, Bengaluru
	3. Sudarshana Purkayastha, Unilever India Ltd.
	4. Tora Mitra Ganguli, GlaxoSmithKline Consumer Healthcare, Gurgaon
1630 - 1730 hrs.	Auditorium - 1, Convention Center, NIMHANS, Bengaluru
1700 hwa annuanda	Valedictory Function
1700 hrs. onwards	High Tea