

XXXIV Annual Meeting of Indian Academy of Neurosciences (IAN 2016)
“Molecules to Mind”

October 18, 2016 (Tuesday)

Pre-conference Workshops

09.30 – 16.30 hrs.	<i>Science Communication and Career Workshop</i> Convener: S Iqbal, DBT Wellcome India-Alliance, New Delhi Venue: Main Auditorium, National Brain Research Centre, Manesar, Gurugram
09.00 – 17.00 hrs.	<i>Workshop on Neurostereology and Assessment of Pain in Animals and Humans</i> Convenors: TS Roy, All India Institute of Medical Sciences, New Delhi S Jain, All India Institute of Medical Sciences, New Delhi Venue: Department of Neurophysiology and Anatomy, All India Institute of Medical Sciences, New Delhi
17.30 – 18.30 hrs.	IAN EC Business Meeting Venue: National Brain Research Centre, Conference Hall (IB-3 Building)

Day 1: October 19, 2016 (Wednesday)

08.00 hrs. onwards	Registration
09.00 – 10:00 hrs. Hall A Main Auditorium	Inauguration and Presidential Address
10:00 – 10:30 hrs Hall A Main Auditorium	Plenary Talk 1 Chairperson: N Jain, National Brain Research Centre, Manesar G Hassan , National Center for Biological Sciences, Bengaluru <i>Neural circuit development and function: the role of Orai mediated Ca²⁺ entry</i>
10:30 – 11.30 hrs.	Group Photograph and Tea/Coffee Break - IB-1 Lawns, NBRC
11.30 – 13:00 hrs. Symposium 1 Hall A Main Auditorium	<i>Genetic & Environmental Perturbations and Programming Risk for Psychiatric and Developmental Disorders</i> Chairpersons: V Vaidya, Tata Institute of Fundamental Research, Mumbai M Sharma, Indian Council of Medical Research, New Delhi J Chelliah , Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru <i>Role of Syngap1 in cognitive development</i> A Bhattacharya , Institute for Stem Cell Biology and Regenerative Medicine, Bengaluru <i>Therapeutic potential of p70S6K1 in Fragile X Syndrome</i> LT Rao , National Institute of Mental Health & Neurosciences, Bengaluru <i>Developmental facets of brain connectivity on fear extinction</i> R Mudashetty , Institute for Stem Cell Biology and Regenerative Medicine, Bengaluru <i>Stem cell models to understand fragile X syndrome</i> V Vaidya , Tata Institute of Fundamental Research, Mumbai <i>Serotonin and the development of psychiatric vulnerability</i>
11.30 – 13:00 hrs. Symposium 2 Hall B	<i>Role of Non-nicotinic Acetylcholine Receptors in Nicotine Dependence : Implications for Smoking Cessation Treatment</i> Chairpersons: S Sharma, All India Institute of Medical Sciences, New Delhi R Jain, All India Institute of Medical Sciences, New Delhi R Jain , All India Institute of Medical Science, New Delhi <i>Current understanding of the neurobiology of the nicotine dependence: the role of NACHRs and dopamine and their treatment implications</i> B Chatterjee , All India Institute of Medical Science, New Delhi <i>The role of the endogenous opioid system in nicotine dependence and its treatment implications</i> P Mandal , All India Institute of Medical Science, New Delhi <i>The role of the glutamate and cannabinoid neurotransmitter systems in the nicotine dependence and their treatment implications</i> M Patri , Ravenshaw University, Cuttack <i>Neuropeptide Y expression confers benzo[a]pyrene induced anxiolytic like behavioral response during early adolescence period of male Wistar rats</i>
11.30 – 13:00 hrs. Symposium 3 Hall C	<i>Adaptive Brain - Measurement to Stimulation Methods in Cognitive Neuroscience</i> Chairpersons: P Joshi, National Institute of Mental Health & Neurosciences, Bengaluru M Asthana, Indian Institute of Technology, Kanpur S Subramanian , National Institute of Mental Health & Neurosciences, Bengaluru <i>Neuroprotective and cognition enhancing effects of dark chocolate on non-transgenic AD model rats</i> P Srivastava , International Institute of Information Technology, Hyderabad <i>Evaluation of 360 degree Indirect Visual Local Area Awareness: Through the Lenses</i> MK Asthana , Indian Institute of Technology, Kanpur <i>Transcranial direct current stimulation and associative fear learning</i>

	BSS Rao , National Institute of Mental Health & Neurosciences, Bengaluru <i>Novel therapeutic strategies to treat depression-induced cognitive deficits</i>
11.30 – 13:00 hrs. Short Talks Session (15+2 min) Hall D	Chairpersons: MK Thakur, Banaras Hindu University, Varanasi RD Mehra, Hamdard Institute of Medical Sciences & Res., New Delhi RK Soni , KN Government PG College, Bhadoi <i>Neural mechanism of spatial memory and acquisition of the navigational map in pigeon (Columba livia).</i> MH Shahi , Aligarh Muslim University, Aligarh <i>Identification of novel transcription factors in the tumorigenesis of most common pediatric brain tumor medulloblastoma</i> A Dasgupta , Pondicherry University, Pondicherry <i>Divergent network interactions due to human endothelial derived humoral factors affecting self-renewal and differentiation fate of human glial progenitor cells?</i> R Mehta , Jawaharlal Nehru University, New Delhi <i>Rapid eye movement sleep loss induces epigenetic modifications for the regulation of gene-expression in specific brain regions of rats</i> S K Rajesh , National Institute of Mental Health & Neurosciences, Bengaluru <i>Geinistein in Diet: Ameliorating Impact on Ischemic Stroke?</i>
13:00 – 15:00 hrs. IB-1 Building 2 nd floor	Working Lunch + Poster Presentation
15.00 – 16.30 hrs. Hall A Main Auditorium	Multilevel Integration of Brain Function Chairpersons: TS Roy, All India Institute of Medical Sciences, New Delhi N Jain, National Brain Research Centre, Manesar Invited Talk - 1 SP Arun , Indian Institute of Science, Bangalore <i>What does the visual system know about the world?</i> Invited Talk - 2 S Iyengar , National Brain Research Centre, Manesar <i>Effects of Mu-opioid receptor modulation on singing in adult male zebra finches</i> Invited Talk - 3 J Gomes , Indian Institute of Technology, Delhi <i>Sequential sub-graph algorithm for analysis of biological boolean networks</i> Invited Talk - 4 K Das , Indian Institute of Science Education and Research, Kolkata <i>Neural correlates of cognitive and behavioral performance in humans</i>
15.00 – 16.30 hrs. Hall B	Molecular Aspects of Neurodegeneration Chairpersons: S Wadhwa, New Delhi MM Godbole, Sanjay Gandhi PG Institute of Medical Sciences, Lucknow Invited Talk - 5 S Bhattacharyya , Indian Institute of Science Education and Research, Mohali <i>Metabotropic glutamate receptor (mGluR) trafficking: Ins & Outs</i> Invited Talks - 6 NR Jana , National Brain Research Centre, Manesar <i>Proteostasis impairment in Huntington's disease</i> Invited Talk - 7 A Jagota , University of Hyderabad, Hyderabad <i>Understanding biological clock dysfunction in age induced neurodegeneration and parkinson disease</i> Invited Talk - 8 SK Trigun , Banaras Hindu University, Varanasi <i>Identification of non-NMDAR targets for excitotoxic brain disorders</i>
16.30 – 17.00 hrs.	Tea/Coffee Break

<p>IB-1 Lawns, NBRC 16.30 – 18.30 hrs.</p> <p>Symposium 4 Hall A Main Auditorium</p>	<p><i>Yoga and Neuroscience - Convener – A Anand, Editor, Annals of Neuroscience</i></p> <p>Chairpersons: J Arya, Patanjali Yog Peeth, Haridwar BN Ganagadhar, National Institute of Mental Health & Neurosci., Bengaluru</p> <p>HR Nagendra, S-VYASA Yoga University, Bengaluru, India <i>Prana – The Bridge between Body and Mind</i></p> <p>BN Gagngadhar, National Institute of Mental Health & Neurosciences, Bengaluru <i>Neurobiology of Yoga and Psychotherapeutic Affects</i></p> <p>SC Manchanda, Sir Ganga Ram Hospital, New Delhi <i>Reversal of Atherosclerosis by Yoga Life Style Intervention: Implications for the brain</i></p> <p>S Telles, Patanjali Research Foundation, Haridwar <i>Neurophysiology of a High Frequency Yoga Breathing Technique</i></p> <p>Panel discussion - Avenues for Integration of Traditional Medicine with Modern Medicine <i>Guest of Honor - Vineet Joshi, Chairman, Joshi Foundation, Chandigarh</i></p> <p>Chair: Jaideep Arya, Patanjali Yog Peeth, Haridwar</p> <p>Convener: Akshay Anand, Additional Professor, Neuroscience Research Lab, PGIMER, Chandigarh</p> <p>Member: N B Nair, Exec Editor, Indian Science Journal, Delhi. P K Seth, CEO Biotech Park, Lucknow, Amarjit Singh, Professor, Community Medicine, PGIMER, Chandigarh, Sangram Patnaik, Senior Advocate, Supreme Court of India, BR Laxmi MDCRC, Coimbatore, Tamil Nadu, Mitali Mukerji, Programme Director, CSIR Ayurgenomics Unit, IGIB, Delhi Bhavana Prasher, Senior Scientist, IGIB, Delhi Sunil Kaul, Chief Senior Research Scientist, AIST, Japan Indrani Gupta, Professor and Head, Health Policy Research Unit, Institute of Economic Growth, Delhi</p> <p><i>(IB-3 Conference room) – Please see the insert in registration kit</i></p>
<p>17.00 – 18.30 hrs.</p> <p>Symposium 5 Hall B</p>	<p><i>Sleep and Cognition: Brain at Stake!</i></p> <p>Chairpersons: D Nag, Lucknow KK Gulia, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram</p> <p>M Tripathi, All India Institute of Medical Sciences, New Delhi <i>Sleep and cognition in children and elderly</i></p> <p>BM Kutty, National Institute of Mental Health & Neurosciences, Bengaluru <i>Sleep in schizophrenia</i></p> <p>KK Gulia, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvanthapuram <i>Prenatal sleep disruptions and early cognitive development</i></p> <p>S Jha, Jawaharlal Nehru University, New Delhi <i>The central chemosensory machinery: A novel target for sleep regulation</i></p> <p>Arathi R, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram <i>Alpha-asarone mediated improvement in sleep and anxiety in rat model of insomnia</i></p>
<p>17.00 – 18.30 hrs.</p>	<p><i>Chemical Induced Neurotoxicity and Neurodegenerative Diseases - Emerging</i></p>

<p>Symposium 6</p> <p>Hall C</p>	<p>Concepts and Technologies in understanding the Complexities</p> <p>Chairpersons: IK Patro, Jiwaji University, Gwalior S Raisuddin, Jamia Hamdard, New Delhi</p> <p>VK Khanna, CSIR – Indian Institute of Toxicology Research, Lucknow <i>Impact of stress on the neurobehavioral toxicity of lambda-cyhalothrin : Effect on brain cholinergic and dopaminergic functions</i></p> <p>AB Pant, CSIR – Indian Institute of Toxicology Research, Lucknow <i>Differential responses of Trans-Resveratrol on proliferation of neural progenitor cells and aged rat hippocampal neurogenesis</i></p> <p>S Mehta, University of Wisconsin, Wisconsin, USA <i>Oxidative Stress and Post-TBI Secondary Brain Damage</i></p> <p>I Kaur, LV Prasad Eye Institute, Hyderabad <i>Neurodegenerative changes in the retina could be predictive for abnormal vascular changes in diabetic retinopathy</i></p> <p>R Sandhir, Panjab University, Chandigarh <i>Pathogenesis of Hepatic Encephalopathy following liver failure</i></p>
<p>18.30 – 19.30 hrs.</p> <p>Hall A Main Auditorium</p>	<p>Chairperson: S Sinha, National Brain Research Centre, Manesar</p> <p>Special Evening Lecture 1 TR Raju, National Institute of Mental Health & Neurosciences, Bengaluru <i>Amyotrophic Lateral Sclerosis-An interplay between Microglia and Astrocytes</i></p> <p>Special Evening Lecture 2 PK Roy, National Brain Research Centre, Manesar <i>How the brain strives to heal?</i></p>
<p>19.30 – 20.30 hrs.</p> <p>Hall A Main Auditorium</p>	<p>IAN General Body Meeting</p>
<p>20.30 hrs. onwards</p> <p>IB-1 Lawns, NBRC</p>	<p>Dinner</p>

Day 2: October 20, 2016 (Thursday)

08.00 – 09.00 hrs.	Registration
09.00 – 09.45 hrs. Main Auditorium	<i>ISN Wiley Blackwell JNC International Lectureship Award</i> Chairperson: G Hassan, National Center for Biological Sciences, Bengaluru K Swartz , NINDS, National Institutes of Health, Bethesda, USA <i>Structure and temperature sensing mechanisms in capsaicin receptor TRPV1 channel</i>
09.45 – 11.00 hrs. Main Auditorium	Chairpersons: HB Singh, Department of Science and Technology, New Delhi P Mandal, National Brain Research Centre, Manesar Plenary Talk 2 A Murthy , Indian Institute of Science, Bangalore <i>Computational mechanisms underlying the control of simple and complex movements</i> Plenary Talk 3 A Jubin , Vita Salute San Raffaele, Milan, Italy <i>Multilingualism and Neuroprotection</i>
11.00 – 11.30 hrs. Main Auditorium	Chairperson: A Basu, National Brain Research Centre, Manesar Tech Talk 1 Ramanjaneya Reddy , Life Sciences Solution, Bengaluru <i>iPSC Workflow Solutions from Thermo Fisher Scientific</i> Tech Talk 2 Mukesh Poddar , BioRad, New Delhi <i>Changes for better data quality in the western blotting world: Stain Free Technology & Beyond</i>
11.00 – 11.30 hrs. IB-3 Conference Room	<i>Expert Group Meeting for Advocacy in Neuroscience</i> Moderator/Chairperson: M Sharma, New Delhi
11.30 – 12.00 noon	Tea/Coffee Break - IB-1 Lawns, National Brain Research Centre
12.00 – 13.00 hrs. Hall B	<i>Innovative Interventions for Insights into Neurodegenerative Disorders</i> Chairperson: AK Agrawal, Lucknow Invited Talk - 9 R Pal , Manipal University, Manipal <i>Human pluripotent stem cells in neurological disease modeling and target discovery</i> Invited Talk - 10 A Mishra , Indian Institute of Technology, Jodhpur <i>Understanding the pathomechanism of cellular quality control machinery in misfolded proteins aggregation: Implications in neurodegeneration and ageing</i> Invited Talk - 11 I Mariappan , L V Prasad Eye Institute, Hyderabad <i>Understanding retinal tissue development and disease using iPSCs</i>
12.00 – 13.00 hrs. Main Auditorium	NASI Sponsored - Children Interaction with Peers Moderator: M Sharma, India Short talk by NR Jana, National Brain Research Centre, Manesar <i>Plasticity in your Brain.</i> Expert Group - B Roeder , Hamburg, Germany SB Singh , New Delhi, India PK Seth , Lucknow, India UC Srivastava , Allahabad, India K Swartz , Bethesda, USA S Sinha , Manesar, India C Kaur , Singapore R DeSilva , Nugegoda, Sri Lanka
13.00 – 15.00 hrs. IB-1 Building 2 nd floor	Working Lunch + Poster Session

<p>15.00 – 16.30 hrs. Symposium 7</p> <p>Hall A</p>	<p><i>Neuroinflammation and Plasticity in Neurodegenerative Disorders</i></p> <p>Chairpersons: S Jain, All India Institute of Medical Science, New Delhi PK Seth, Biotech Park, Lucknow</p> <p>JD Sarma, Indian Institute of Science Education and Research Kolkata <i>Neuroimmune crosstalk in virus induced central nervous system demyelination and axonal loss</i></p> <p>P Bhattacharya, National Institute of Pharmaceutical Education & Res., Ahmedabad <i>Intra-arterial stem cell therapy to aid ischemic stroke recovery: implication of BDNF signaling</i></p> <p>P Alladi, National Institute of Mental Health & Neurosciences, Bangalore <i>Baseline neuroinflammation is an earnest factor in neurodegeneration: A tale of two mice strains</i></p> <p>RK Mishra, Banaras Hindu University, Varanasi <i>Impact of Pax6 on immunological surveillance of brain</i></p> <p>S Bose, All India Institute of Medical Science, New Delhi <i>Disease modifying effect of magnetic field stimulation in Parkinson's disease: inflammation to motor function</i></p>
<p>15.00 – 16.30 hrs. Symposium 8</p> <p>Hall B</p>	<p><i>Neurocognitive Networks in Health, Disease and Recovery</i></p> <p>Chairpersons: P Raghunathan, National Brain Research Centre, Manesar A Banerjee, National Brain Research Centre, Manesar</p> <p>JP John, National Institute of Mental Health & Neurosciences, Bengaluru <i>Aberrant cortical networks in dementia and schizophrenia</i></p> <p>D Ray, National Brain Research Centre, Manesar <i>Evaluating the dual stream hypotheses of visual information processing: Insights from an fMRI study</i></p> <p>S Diwakar, Amrita University, Kollam <i>Computational neuroscience of circuit function and dysfunction: A cerebellum perspective</i></p> <p>D Roy, Centre of Behavioural and Cognitive Sciences, University of Allahabad, Allahabad <i>Brain recovery to normalcy following structural insult: A computational Neuroimaging framework</i></p> <p>A Banerjee, National Brain Research Centre, Manesar <i>Neurocognitive networks: Concepts & Constraints</i></p>
<p>15.00 – 16.30 hrs. Oral Session - 1</p> <p>Hall C</p>	<p>Chairpersons: G Kaur, Guru Nanak Dev University, Amritsar R Shukla, Lucknow</p> <p>S Prasad, Banaras Hindu University, Varanasi <i>Bacopa monnieri extract (CDRI-08) plays neuroprotective role in the recovery of learning and memory impairments by modulating scopolamine-induced oxidative stress and altered synaptic plasticity markers in the hippocampus of amnesic mice</i></p> <p>SP Singh, Banaras Hindu University, Varanasi <i>Neuroprotection and alleviation of Parkinsonian phenotypes by inhibiting apoptotic pathways in dopaminergic neurons by ayurvedic herbs</i></p> <p>TK Ghosh, University of Calcutta, Kolkata <i>Blood brain barrier is impaired in the intracerebroventricular colchicine injected rats</i></p> <p>N Chakraborty, University of Calcutta, Kolkata <i>Multiple biomarkers signify multi-targeted therapy for Parkinson's diseases: Preclinical studies</i></p>
<p>15.00 – 16.30 hrs. Symposium 9</p> <p>Hall D</p>	<p><i>New Insights in Vertebrate Brain Organization : Role of Specialized Brain Centers and Neural Systems</i></p> <p>Chairperson: A Gopesh, University of Allahabad, Allahabad C Kaur, National University of Singapore, Singapore</p> <p>S Srivastava, K N Government Post Graduate College, Bhadoi</p>

	<p><i>Avian brain organization involved in vocal communication- New perspectives of evolution of language and language deficit disorders</i></p> <p>M Pal, Bose Institute, Kolkata <i>Azadiradione induces HSF1 activity by direct interaction and ameliorates diseases of protein conformation in cell and animal models</i></p> <p>S Shrivastava, Barkatullah University, Bhopal <i>Striking similarities in neuroarchitecture of avian pallium and mammalian neocortex</i></p> <p>C Kaur, National University of Singapore, Singapore <i>Hypoxia induced inflammation in the developing cerebellum</i></p>
16.30 – 17.00 hrs.	Tea/Coffee Break - IB-1 Lawns, National Brain Research Centre
17.00 – 18.00 hrs. Main Auditorium Platform presentation - selected posters (10 min each)	<p>Chairpersons: LT Rao, National Ins. of Mental Health & Neurosciences, Bengaluru N Patro, Jiwaji University, Gwalior</p> <p>P Saha, CSIR-Indian Institute of Chemical Biology, Kolkata <i>Timp-1 protects neurons against A-beta toxicity through Akt/FoxO3a signal transduction pathway</i></p> <p>R Raghav, All India Institute of Medical Sciences, New Delhi <i>Nalbuphine could decrease the rewarding effects induced by morphine in rats</i></p> <p>K Taneja, Indian Institute of Kanpur, Kanpur <i>Dendritic spine abnormalities and cognitive decline in mice models of progressive myoclonus epilepsy</i></p> <p>P Chatterjee, Kolkata <i>Intermuscular coherence of patients with writer's cramp</i></p> <p>B Mattoo, All India Institute of Medical Sciences, New Delhi <i>Beneficial effect of low frequency repetitive transcranial stimulation on dorsolateral prefrontal cortex in chronic tension-type headache</i></p>
17.00 – 18.00 hrs. Hall B Oral Session - 2	<p><i>Glia in Health and Disease</i></p> <p>Chairperson: G Gupta, Department of Biotechnology, New Delhi</p> <p>I Singh, Medical University of South Carolina, USA <i>Role of nitrobiology in neurodegeneration, neuroprotection & neurorepair in stroke disease</i></p> <p>N Chatterjee, Sankara Nethralaya, Hyderabad <i>Biochemically defining differential immune response in retinal glia to clade specific HIV 1 Tat variants</i></p> <p>C Mukhopadhyay, Jawaharlal Nehru University, New Delhi <i>Ceruloplasmin protects astroglial cells from norepinephrine mediated toxicity</i></p>
17.00 – 18.00 hrs. Hall C Oral Session - 3	<p>Chairperson: R Velayudhan, National Brain Research Centre, Manesar</p> <p>A Chauhan, University of Iowa, USA <i>Novel players in thrombosis and acute ischemic stroke</i></p> <p>J Banerjee, AIIMS-NBRC, New Delhi <i>Enhanced GABAergic activity in drug-resistant epilepsy: The dysmaturity hypothesis of focal cortical dysplasia (FCD)</i></p> <p>S. Imam, US Food And Drug Administration, USA <i>Repositioning of Leukemia Drugs for Neuroprotection</i></p>
18.00 – 18.40 hrs. Main Auditorium	<p>Special Evening Lecture</p> <p>Chairperson: TR Raju, National Institute of Mental Health and Neurosciences, Bengaluru</p> <p>Gottfried Wilhelm Leibniz Awardee Brigitte Roeder, University of Hamburg, Germany <i>Experience dependent development of (multi)sensory functions</i></p>
18.45 pm	Buses will leave for Heritage Resort from NBRC Lawns

19.15 pm onwards	“ Opportunities in Germany for Research and Training ” by Alexander von Humboldt Foundation (AvH), German Research Foundation (DFG), Max Planck Society (MPG) and Forschungszentrum Jülich followed by Banquet Dinner and Cultural Night (Entry by Dinner Ticket Only provided in registration kit)
Heritage Village Resort, Manesar	

Day 3: Friday; October 21, 2016 (Friday)

09.00 – 09.45 hrs. Hall A	KT Shetty Memorial Oration
Main Auditorium	Chairperson: SB Singh, Defence Institute of Physiology & Allied Sciences, New Delhi V Vaidya , Tata Institute of Fundamental Research, Mumbai <i>Adult Neurogenesis - Modulation by norepinephrine and thyroid hormone</i>
09.45 – 11.00 hrs. Hall A	Chairperson: MK Thakur, Banaras Hindu University, Varanasi
Main Auditorium	Plenary Speaker – 4 T Abel , University of Pennsylvania, Philadelphia, USA <i>Molecular Mechanisms of Long-Term Memory Storage</i> Plenary Speaker – 5 C Sarkar , All India Institute of Medical Sciences, New Delhi <i>Exploiting molecular biology for diagnosis and management of gliomas</i>
11.00 – 11.30 hrs.	Tea/Coffee Break - IB-1 Lawns, National Brain Research Centre
11.30 – 13.30 hrs. Hall A Main Auditorium	Young Scientist Colloquium Chairpersons: VK Khanna, CSIR-Indian Institute of Toxicology Research, Lucknow R Giri, National Brain Research Centre, Manesar <b style="background-color: #800000; color: yellow; padding: 2px;">Oral Presentations for DM Kar Prize R Mittal , Panjab University, Chandigarh <i>Rutin in experimental paradigms of STZ-induced diabetic neuropathy</i> Kalaiarasi S , Sathyabama University, Chennai <i>Cerebrospinal ventricle injection of human beta amyloid peptide and its effect in embryonic zebrafish</i> P Kumari , Defense Institute of Physiology & Allied Sciences, Delhi <i>Temporal influence of hypobaric hypoxia and derived neurodegeneration on fear conditioning</i> P Acharjee , Banaras Hindu University, Varanasi <i>Pannexin1 blockage modulates NMDAR-nNOS profile in a rat model of Hepatic Encephalopathy</i> UD Kumaresan , National Institute of Mental Health and Neurosciences, Bengaluru <i>Altered sleep pattern and its neural correlates as a consequence of prenatal valproic acid insult</i> A Dheer , Defence Institute of Physiology and Applied Sciences, Delhi <i>Connexin-43 mediated glutamate excitotoxicity in rat hippocampus upon exposure to chronic hypobaric hypoxia</i> <b style="background-color: #800000; color: yellow; padding: 2px;">Oral Presentations for Tulsabai Somani Educational Trust Award D Srinivasan , Sathyabama University, Chennai <i>Ultra Structure Imaging Studies of Alcohol Treated Zebrafish Brain</i> M Kambali , National Institute of Mental Health and Neurosciences, Bengaluru <i>Cognitive flexibility and sustained attention in rats experienced early maternal separation and isolation stress</i> S J Tripathi , National Institute of Mental Health and Neurosciences, Bengaluru <i>Basolateral Amygdala Mediates Stress-induced Cognitive Deficits by Modulating the Medial Prefrontal Cortical Functions</i>

	<p>M Gautam, All India Institute of Medical Sciences, New Delhi <i>Characterization of antinociceptive effect following activation of the spinal cannabinoid type 1 receptor in rats</i></p> <p>S Akter, South Asian University, New Delhi <i>Exogenous ATP modulates inflammatory activity in immune cells</i></p>
<p>13.30 – 14.15 hrs. IB-1 Lawns, NBRC</p>	Lunch
<p>14.15 – 16.00 hrs.</p> <p>Symposium 10</p> <p>Hall A</p> <p>Main Auditorium</p>	<p><i>Molecular Basis and Epigenetics of Brain Disorders</i></p> <p>Chairpersons: S Roy, University of Miami, USA BSS Rao, National Institute of Mental Health & Neurosciences, Bengaluru</p> <p>S Buch, University of Nebraska Medical Center, Omaha, USA <i>Drug abuse mediated potentiation of HAND: Blaming the messenger</i></p> <p>S Roy, University of Miami, Miami, USA <i>Opioid Modulation of Gut Immune brain Axis : Implications in HIV neuropathogenesis</i></p> <p>A Dikshit, All India Institute of Medical Sciences, New Delhi <i>Understanding the molecular mechanisms underlying epileptogenesis and/or pharmacoresistance in patients with mesial temporal lobe epilepsy (MTLE)</i></p> <p>S Mishra, Maulana Azad Medical Centre, New Delhi <i>Expression of N CAM and MAP2 in developing human auditory cortex</i></p>
<p>14.15 – 16.00 hrs.</p> <p>Symposium 11</p> <p>Hall B</p>	<p><i>IAN - FAONS Symposium - Brain Health - Hypes & Hope from Herbs</i></p> <p>Chairpersons: S Kaul, National Institute of Advanced Industrial Science and Technology, Tsukuba, Ibaraki, Japan R DeSilva, University of Sri Jayewardenepura, Nugegoda, Sri Lanka</p> <p>MK Thakur, Banaras Hindu University, Varanasi <i>Memory enhancement by Ashwagandha leaf extract</i></p> <p>R Wadhwa, National Institute of Advanced Industrial Science and Technology, Tsukuba, Ibaraki, Japan <i>Herbal solution to stress and neurodegeneration - molecular mechanisms</i></p> <p>Y Onishi, National Institute of Advanced Industrial Science and Technology, Tsukuba, Ibaraki, Japan <i>Herbs for circadian rhythm</i></p> <p>D Sundar, Indian Institute of Technology Delhi, Delhi <i>Computational Insights in to the bioactivities of withanolides</i></p> <p>M Doi, National Institute of Advanced Industrial Science and Technology, Tsukuba, Ibaraki, Japan <i>Novel screening system to identify herbs to fight neurodegenerative diseases</i></p> <p>M Kaushik, Tsukuba University, Japan <i>Somnogenic component of Ashwagandha: an alternative insomnia therapy</i></p> <p>G Kaur, Guru Nanak Dev University, Amritsar <i>Molecular insights in the multifunctional neuroprotective activities from Withania somnifera leaf extract</i></p> <p>R DeSilva, University of Sri Jayewardenepura, Sri Lanka <i>The neuroprotective role of Ceylon tea, coffee and green vegetables</i></p>
<p>16.00 – 17.00 hrs. Main Auditorium</p>	Valedictory Address & Prize Distribution