



International Conference on Neuroscience & XXXVI Annual Meeting of Indian Academy of Neurosciences

Theme: Translational Research in Improving Mental Health

October 29 - 31, 2018



Organizing Secretary

Professor S. Prasad

**Biochemistry & Molecular Biology Laboratory, CAS in Zoology, Institute of Science,
Banaras Hindu University, Varanasi, Uttar Pradesh, India**

Sunday, 28 October 2018

(Venue: Mahamana Seminar Complex, Institute of Science, BHU)

Pre-conference Program	
15.00-17.00 hrs	NASI-Sponsored Interaction Session of School Students
17.30-19.00 hrs	IAN Executive Committee Meeting

PROGRAMME

(Venue: KN Udupa Auditorium, Institute of Medical Sciences, BHU)

Day 1, Monday; October 29, 2018

08.00- 09:00 hrs.	Registration
09.00-10.00 hrs.	Opening Ceremony
10.00-10.30 hrs.	High Tea
10.30-11.15 hrs.	ISN Wiley-Blackwell-JNC International Lecture Chairpersons PK Seth, Biotech Park, Lucknow US Bhalla, NCBS, Bengaluru AJ Hannan, Florey Institute, Melbourne University, Australia <i>Gene-environment interactions mediating experience-dependent plasticity in the healthy and diseased brain</i>
11.15-12.00 hrs.	BK Bachhawat Memorial Life Time Achievement Award Lecture Chairpersons SB Singh, NIPER, Hyderabad MK Thakur, BHU, Varanasi IK Patro, Ravenshaw University, Cuttack <i>Perinatal challenges and aging brain: Glia and neurodevelopmental disorders</i>
12.00-13.00 hrs.	Plenary Lecture I Chairpersons HC Pant, NINDS/NIH, Bethesda, USA S Singh, BHU, Varanasi DK Lahiri, Indiana University School of Medicine, Indianapolis, USA <i>Early lifetime exposure drives paths of neural proteins: Implication in late-life disorders</i> Plenary Lecture II US Bhalla, NCBS, Bengaluru <i>Time and sequence computation by single neuron</i>
13.00-14.00 hrs.	Lunch

	KN Udupa Auditorium	Lecture Theater (LT) -I	Lecture Theater (LT) -II
14.00-16.00 hrs.	<p>Symposium I <i>IAN – FAONS Symposium on Physiology and pathophysiology of brain functions</i></p> <p>Chairpersons I Tadashi, Kyoto University, Kyoto Japan SK Trigun, BHU, Varanasi</p> <ol style="list-style-type: none"> SP Arun, IISc, Bengaluru <i>Compositionality in object vision</i> A Nambu, NIPS, Okazaki, Japan <i>Parkinson's disease as a network disorder</i> N Jain, NBRC, Manesar <i>Somatosensory information processing and spinal cord injuries</i> SN Baker, Newcastle University, Newcastle upon Tyne, UK <i>The contributions of the corticospinal and reticulospinal tracts to hand movements</i> I Tadashi, Kyoto University, Kyoto, Japan <i>Large-scaled network reorganization for recovery from spinal cord injury</i> 	<p>Symposium II <i>Sleep in neuropsychiatric diseases</i></p> <p>Chairpersons BM Kutty, NIMHANS, Bengaluru S Jain, AIIMS, New Delhi</p> <ol style="list-style-type: none"> A Sashidharan, ABRL, Bengaluru <i>Understanding sleep instability in Schizophrenia from Polysomnography</i> R Yadav, NIMHANS, Bengaluru <i>Sleep in Cerebellar ataxia and Parkinsonism – Perspectives on disease symptom severity</i> KK Gulia, SCTIMST, Trivandrum <i>Sleep loss during pregnancy linked to depression and anxiety traits in offspring</i> BM Kutty, NIMHANS, Bengaluru <i>Utility of trans-cranial alternating current stimulation (tACS) and acoustic stimulations to assess sleep stability</i> MK Kaushik, IISM, Tsukuba, Japan <i>Novel treatment for narcolepsy: Intrathecal orexin delivery inhibits cataplexy in a murine model of narcolepsy</i> 	<p>Symposium III <i>Neurobiology of development and aging</i></p> <p>Chairpersons R Sharma, NEHU, Shillong R Mishra, BHU, Varanasi</p> <ol style="list-style-type: none"> PC Rath, JNU, New Delhi <i>Expression of long noncoding RNAs and mobile genetic elements in the rat brain during aging</i> TC Nag, AIIMS, New Delhi <i>Mitophagy in retinal photoreceptor cells after experimental long-term, iron overload with aging in rat</i> TS Roy, AIIMS, New Delhi <i>Morphological and neurochemical changes in GABAergic neurons of the aging human inferior colliculus</i> SA Devi, Bengaluru University, Bengaluru <i>Grape seeds and aerobic exercise training for the aging brain: an approach towards prevention of oxidative stress and prefrontal cortical neuronal loss in middle-aged rats</i> R Sharma, NEHU, Shillong <i>Modulation of IGF-1 signaling cascade by dietary restriction in brain of aging mice</i>
16.00-18.00 hrs.	<p>Symposium IV <i>Molecular basis of human neurological diseases: From bench to bedside</i></p> <p>Chairpersons</p>	<p>Oral Session I <i>Neuroprotection and neurotherapy</i></p> <p>Chairpersons G Kaur, GNDU, Amritsar M Singaravel, BHU, Varanasi</p>	<p>Oral Session II <i>Neurotoxicity and brain function</i></p> <p>Chairpersons AK Agrawal, Lucknow R Sircar, New York</p>

**UB Pandey, University of Pittsburgh
Pittsburgh, USA**

**A Jagota, University of Hyderabad,
Hyderabad**

**1. S Todi, Wayne State University,
USA**

The role of protein context in age-related, polyglutamine-dependent neurodegeneration

**2. S Agnihotri, University of
Pittsburgh, Medical Center, USA**

Pediatric and adult gliomas: Molecular mechanisms of pathogenesis

**3. S Desai, Louisiana State
University School of Medicine,
New Orleans, LA**

Regulation of mitophagy by ubiquitin and ubiquitin-like proteins in neurodegenerative diseases

**4. UB Pandey, University of
Pittsburgh Medical Center,
Pittsburgh, USA**

Traumatic brain injury compromises nucleocytoplasmic transport and exaggerates neurodegeneration-associated with ALS/FTS

**5. PK Sharma, Central University of
Jharkhand, Ranchi**

SNP G196A of brain derived neurotrophic factor (BDNF) increases the risk of Alzheimer's in sex specific manner: A Meta-Analysis

1. G Kaur, GNDU, Amritsar

*Natural products from *Tinosporacordifolia* as neuromodulators*

2. GP Modi, IIT-BHU, Varanasi

Novel Naturally Inspired Multifunctional Molecules as Potential Therapeutic Agents for Alzheimer's Disease

3. K Sulakhia, IGNTU, Amarkantak

*Protective effect of *Erygeronlinifolius* against LPS-induced depressive-like behaviour and neurochemical alterations in mice*

**4. D Gowda K, K. S. Hegde Medical
Academy, Mangalore**

Role of Astaxanthin in the modulation of brain derived neurotrophic factor in learning and memory in wistar rats

5. Y Khan, Sophia College, Mumbai

Role of Retinoic acid in multiple developmental pathways of zebrafish-formation of lateral line and craniofacial cartilage

6. HK Singh, CDRI, Lucknow

*The quest for healthy brain: is *Bacopa* the answer?*

1. VK Khanna, CSIR-IITR, Lucknow

Potential of quercetin in protecting cadmium induced neurotoxicity

**2. R Sircar, The City College of New York,
CUNY, New York**

Adolescent brain and addiction: neurobehavioral consequences

**3. SK Das, Cent for Biotech, School of
Pharmaceutical Sciences Siksha 'O'
Anusandhan Bhubaneswar, Odisha**

Monotonous environment and its significant impact on mood and cognitive performances at high altitude

**4. RS Yadav, Dr. Harisingh Gour Central
University Sagar**

Assessment of biochemical and neurochemical markers in pesticide exposed farm workers

5. A Haldar, AIIMS, Bhubaneswar

Developmental neuroanatomy of cerebral and cerebellar cortex, brain stem and spinal cord in human fetuses in various gestational weeks in eastern geographical region of Odisha

6. S Banerjee, NBRC, Manesar

"Make in" locally: Localized control of memory formation by selective miRNA decay at the synapse

18.00-19.30 hrs.	Poster Session-I (No. 1-100)
Venue: KN Udupa Auditorium	
19.30-20.00 hrs.	<p style="text-align: center;">Technical Lectures: Emerging Neurotechnologies</p> <ul style="list-style-type: none"> ❖ S Cox, Vice-President, Harvard Biosciences <i>Advances in integrating behavioural studies with electrophysiology</i> ❖ V Gopal, Executive Director, Gentech, New Delhi <i>Techniques for simultaneous testing of Physiology and behavioural parameters in freely moving subjects : Gentech update</i>
20.00 hrs.	Dinner
Day 2, Tuesday; October 30, 2018	
Venue: KN Udupa Auditorium	
08.30-09.00 hrs.	Registration
09.00-10.00 hrs.	<p>Chairpersons N Jain, NBRC, Manesar S Prasad, BHU, Varanasi</p> <p>Plenary Lecture III HC Pant, NINDS/NIH, Bethesda, USA <i>Neurobiology and Physiology of a novel peptide (p5); Provides Neuroprotection and Restoration in Neurodegenerative Diseases</i></p> <p>Plenary Lecture IV K Sambamurti, Medical University of South Carolina, Charleston, USA <i>Production and turnover pathways fail together to drive amyloid accumulation in Alzheimer's Disease.</i></p>
10.00-12.00 hrs.	<p style="text-align: center;">Young Scientists' Colloquium</p> <p>Chairpersons VK Khanna, CSIR-IITR, Lucknow S Chakraborty, MM(DU), Mullana, Ambala</p> <p style="text-align: center;">Tulsabai Somani Educational Trust Award</p> <ol style="list-style-type: none"> 1. P Komal, BITS Pilani-Hyderabad, Hyderabad <i>Tumour necrosis factor-alpha alters the function of striatal synapses in YAC128 mouse model of Huntington's disease</i> 2. A Chakraborti, AIIMS, New Delhi

- An electrophysiological and morphological study of soleus muscle in spinal cord transected rats: effect of magnetic field exposure*
- 3. D Garabadu, GLA University, Mathura**
Exendin-4 improves PI3K-dependent mitochondrial function in brain of amyloid beta (1-42)-induced cognitive deficit rats
 - 4. M Sengupta, University of Calcutta, Kolkata**
An effort to characterize genomic variations modifying the clinical discourse of Wilson's Disease, a Mendelian disorder with complex traits
 - 5. S Srivas, BHU, Varanasi**
Role of transcriptional co-repressor SIN3A in the regulation of memory consolidation during scopolamine-induced amnesia
 - 6. S Sinha, Jiwaji University, Gwalior**
Gestational protein malnutrition induced neurological and cognitive changes in F1 progeny are ameliorated by spirulina supplementation
 - 7. A Sharma, GNDU, Amritsar**
*Butanol extract of *Tinospora cordifolia* ameliorates cognitive deficits and improves Hippocampal synaptic plasticity in glutamate exposed animals*

DM Kar Prize

- 1. A Khanna, BHU, Varanasi**
Effect of SIRT1 activation by resveratrol on NMDAR-nNOS-apoptotic pathway in the brain of Hepatic encephalopathy rats
- 2. A Bose, IISER, Kolkata**
ERp29 chaperonin mediated effect of 4-phenyl butyrate on gap junction protein Connexin43 trafficking and cell proliferation in a mouse astrocytoma cell line
- 3. S Das, NIMHANS, Bengaluru**
Infusions of Cerebrospinal fluid from Amyotrophic Lateral Sclerosis patient in rat pups result in motor impairment where Epigallocatechin-3-gallate could play a role of neuroprotective biomolecule
- 4. V Pareek, NBRC, Manesar**
Glioma cells diffusion and remodeling of corpus callosum in gliomas: effect of the bi-axial lamellar pattern of brain architecture
- 5. C Kaur, AIIMS, New Delhi**
Age-related decline in the populations of Parvalbumin, GABA and NMDAR 2B immunoreactive neurons of the human spiral ganglion: a stereological study
- 6. KP Nair, NIMHANS, Bengaluru**
Enriched environment ameliorates Epilepsy-induced cognitive deficits and restores abnormal Sleep-wake behavior
- 7. SK Maurya, BHU, Varanasi**
Impact of Pax6 on microglia-mediated immunity in brain

12.00-13.30 hrs.

Poster Session-II (P. No. 101-175)

13.30-14.00 hrs.	Lunch		
	KN Udupa Auditorium	LT-I	LT-II
14.00-16.00 hrs.	<p>Oral Session III <i>Glial neurobiology</i></p> <p>Chairpersons IK Patro, Ravenshaw University, Cuttack P Joshi, NIMHANS, Bengaluru</p> <ol style="list-style-type: none"> S Singh, IMS, BHU <i>Exploitation of microglial MicroRNA management by neurotropic viruses</i> N Patro, Jiwaji University, Gwalior <i>Impaired gliogenesis and behavioural anomalies following maternal protein malnutrition</i> S Bose Chinnathambi, CSIR-NCL, Pune <i>The extracellular role of Tau in Microglia</i> M Prabha, MSRIT, Bengaluru <i>The specific activities of acid and alkaline phosphatases for tumor grading and correlation of anaplastic oligodendroglioma G-III with Meningiomas G-I among all benign and malignant brain tumors</i> CK Mukhopadhyay, JNU, New Delhi <i>Phosphoinositide-3-kinase inhibitors elevate ferritin level to sequester labile iron pool and control proliferation of glioma cells</i> P Seth, NBRC, Manesar <i>Molecular mechanisms of Zika Virus E protein induced alteration in human fetal neural stem cells</i> 	<p>Symposium V <i>Memory and cognition – Effective study strategies</i></p> <p>Chairpersons LT Rao, NIMHANS, Bengaluru PC Rath, New Delhi</p> <ol style="list-style-type: none"> LT Rao, NIMHANS, Bengaluru <i>Behavioural effects of attention: 5-choice serial reaction time task (5-CSRTT) to study attention in animal model of autism spectrum disorder.</i> G Gangadharan, IBS, South Korea <i>Genetic and circuit-based approach to understand the neural mechanism of behaviours</i> P Mukhopadhyay, University of Calcutta, Kolkata <i>Understanding Neuro-Cognitive Endophenotypes in OCD patients</i> M Rangaswami, CHRIST, Bengaluru <i>Affect and Cognitive control: interactions with Working Memory</i> M Sadananda, Mangalore University, Mangalore <i>Modelling of adolescent anxiety- and depressive-like disorders at neurobehavioural and neurochemical levels in the Wistar-Kyoto rat: age- and sex-specific differences</i> 	<p>Symposium VI <i>Molecular mechanisms and novel therapies for stroke</i></p> <p>Chairpersons SL Mehta, University of Wisconsin, USA SP Singh, BHU, Varanasi</p> <ol style="list-style-type: none"> SP Yu, Emory University, Atlanta, USA <i>Optogenetics stimulation of glutamatergic neuronal activity in the striatum enhances neurogenesis in the subventricular zone of normal and stroke mice</i> GK Rajanikant, NIT, Calicut <i>Therapeutic drug repurposing for ischemic stroke</i> G Pandi, MKU, Madurai <i>Significance of circular RNAs in post-stroke brain damage</i> S Ortega, University of Texas Southwestern, Dallas, USA <i>The Role of Adaptive Immune Responses during Stroke Recovery</i> SL Mehta, University of Wisconsin, USA <i>Deletion of long noncoding RNA FosDT alleviates the post-ischemic functional deficits in both sexes without affecting the normal development.</i> A Chauhan, University of Iowa,

			<p>Iowa, USA <i>Targeting myeloid specific integrin $\alpha 9\beta 1$ improves stroke outcome following transient cerebral ischemia in comorbid condition of hyperlipidemia</i></p>
16.00-18.00 hrs.	<p>Oral Session IV <i>Synaptic plasticity, learning and memory</i> Chairpersons</p> <p>BSS Rao, NIMHANS, Bengaluru M Patri, Ravenshaw University, Cuttack</p> <ol style="list-style-type: none"> BSS Rao, NIMHANS, Bengaluru <i>Prevention of stress-induced abnormal synaptic plasticity and cognitive deficits by reversible inactivation of basolateral amygdala</i> A Annamneedi, Department Neurochemistry and Molecular Biology Leibniz Institute for Neurobiology Brenneckestraße 6 39118 Magdeburg Germany <i>Functions of presynaptic active zone protein Bassoon in hippocampus-dependent learning and memory processes</i> AJ Vanisree, University of Madras, Chennai <i>Myelination and plasticity governing molecules in Fore Brain of chronically stressed rats are altered by Enriched Environment</i> GS Prabhu, Manipal Academy of Higher Education, Manipal <i>Role of choline, docosahexaenoic acid (DHA) and environmental enrichment in</i> 	<p>Oral Session V <i>Neurodegenerative disorders</i> Chairpersons</p> <p>KP Mohanakumar, IUCBR & SSH, Kottayam, Kerala TS Roy, AIIMS, New Delhi</p> <ol style="list-style-type: none"> S Chakrabarty, MMDU, Mullana-Ambala <i>Interactions of alpha-Synuclein and Parkin in experimental neurodegeneration in SHSY5Y cells: Implications in the pathogenesis of Parkinson's disease</i> SK Pandey, Triangulum Biopharma, San Diego, USA <i>Targeting nuclear RNA using antisense technology for the treatment of myotonic Dystrophy type 1</i> S Dey, AIIMS, New Delhi <i>Biomarkers of Alzheimer's disease</i> T Ghosh, University of Calcutta, Kolkata <i>Peripheral immune intracerebroventricular $A\beta$ injected AD model of rats</i> KP Mohanakumar, IUCBR & SSH, Kottayam, Kerala <i>Neurobiology of Parkinsonian tremor</i> SS Raza, Era Univ, Lucknow 	<p>Symposium VII <i>Panchagavya: Ayurvedic and modern perspective</i> Chairpersons I Chander, Apurv Ayurved, Punjab M Vinayak, Varanasi</p> <ol style="list-style-type: none"> KP Ramesha, NDRI, Bengaluru <i>Milk proteins: α_1 versus α_2 beta-casein variants and their role in neurodegenerative disorders</i> S Mansinghka, Go Vigyan Anusandhan Kendra, Deolapar, Nagpur <i>Organizational efforts in mainstreaming panchgavya for use in brain disorders</i> A Anand, PGIMER, Chandigarh <i>Evidence based Ayurveda and its national implementation for neuroscience research</i> I Chander, Apurv Ayurved, Roop Nagar, Punjab <i>Migrane -potential ayurvedic treatment</i> S Wate, Anurag College of Pharmacy, Bhandara, India <i>Effective use of ghritas in neurological disorders and as brain tonic</i>

	<p><i>attenuating postnatal obesity induced neural cell deficits in CA3 region of hippocampus</i></p> <p>5. A Jagota, University of Hyderabad, Hyderabad</p> <p><i>Clock dysfunction in aging and Parkinson disease: Therapeutic interventions</i></p> <p>6. MA Khan, Era University, Lucknow</p> <p><i>Enhancing Learning and Memory through Lifestyle Intervention</i></p>	<p><i>Chick embryo: A pre-clinical model to understand the ischemia-reperfusion mechanism</i></p>	
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Venue: KN Udupa Auditorium

18.00-19.00 hrs.	GB Meeting
19.00-20.30 hrs.	Cultural Evening
20.30 hrs.	Dinner

Day 3, Wednesday; October 31, 2018

08.30 -09.00 hrs.	Registration		
	KN Udupa Auditorium	LT-I	LT-II
09.00-11.00 hrs.	<p>Oral Session VI</p> <p><i>Contemporary Neurosciences</i></p> <p>Chairpersons DK Lahiri, Indiana University School of Medicine, Indianapolis, USA Manjari Tripathi, AIIMS, New Delhi</p> <p>1. A Konar, IGIB, New Delhi <i>Born insane or turn insane? Finding the roots</i></p> <p>2. B Kumar BK, IGIB, New Delhi <i>Over expression of the Cdk5 inhibitory peptide in motor neurons delays disease progression, reduces motor neurodegeneration, and extends survival of a mouse in the model of amyotrophic</i></p>	<p>Symposium VIII</p> <p><i>Neurobiology of health and disease: From basics to clinics</i></p> <p>Chairpersons KK Barhwal, AIIMS, Bhubaneswar K Sambamurti, USA</p> <p>1. SK Hota, DRDO Bhawan, New Delhi <i>Translation neuroscience for augmenting combat efficiency: A DRDO prospective</i></p> <p>2. DM Kokare, RTM Nagpur University, Nagpur <i>Alpha-melanocyte stimulating hormone (α-MSH) in alcoholism: a journey from behavioral to epigenetic studies</i></p> <p>3. KM Bai, Azeezia Institute of Medical</p>	<p>Oral Session VII</p> <p><i>Computational, Biophysical Neuroscience & Neuroimaging</i></p> <p>Chairpersons PK Roy, IIT-BHU, Varanasi P Srivastava, Amity University, Lucknow</p> <p>1. PK Roy, IIT-BHU, Varanasi <i>MRI connectomics delineate bp-modulated clearance of brain amyloid: validated hypotensive therapeutic approach in reducing mci dementia</i></p> <p>2. P Kumar. NIMHANS, Bengaluru <i>Potential role of [99mTc]/Tc-TRODAT-1</i></p>

	<p><i>lateral sclerosis</i></p> <p>3. V Paramanik, IGNTU, Amarkantak <i>Aluminium chloride exposure changes learning and memory, mitochondrial enzymes and alzheimer's disease related genes in Zebra fish (Danio rerio)</i></p> <p>4. A Kumar, NIPER, Hyderabad <i>Exploring neuroprotective potential of Lonp1 in experimental diabetic neuropathy: Interface between Sirt1 and Mitochondrial function</i></p> <p>5. P Basu, BHU, Varanasi <i>Pendulum pattern of simulated shift work impacts post-re-entrainment accuracy in voluntary wheel-running in mice</i></p> <p>6. YS Markandeya, NIMHANS, Bengaluru <i>Decreased mitochondrial calcium sequestration and reversal of Na⁺/Ca²⁺ exchanger is responsible for the selective vulnerability of aged neurons</i></p> <p>7. PV Katakam, Tulane University School of Medicine, New Orleans, USA <i>Impaired mitochondrial activity of neuronal nitric oxide synthase isoform and cerebral</i></p>	<p>Sciences & Research, Meeyannoor, Kerala <i>Preclinical testing of anticonvulsant activity of nitrates using chemical and electrically induced seizure screening tests in animal models</i></p> <p>4. KK Barhwal, AIIMS, Bhubhaneswar <i>Hypobaric hypoxia induced demyelination: a challenge for sacrosanct prophylactic use of Acetazolamide at high altitude</i></p> <p>5. M Tripathi, Dept Neurology, AIIMS, New Delhi <i>Out of control Network – Epilepsy</i></p>	<p><i>SPECT imaging in diagnosing Parkinson disease</i></p> <p>3. A Kumar, KTH Royal Institute of Technology, Stockholm <i>Brain diseases: a dynamical systems perspective</i></p> <p>4. V Varshney, GLA University Mathura <i>Ang (1-7)/Mas receptor-axis activation promotes amyloid beta degradation in discrete brain regions of Alzheimer's disease-like rats</i></p> <p>5. B Mehta, NIMHANS, Bengaluru <i>Path towards correcting synaptic dysfunctions in mammalian retina</i></p> <p>6. J Shah, Nirma University, Ahmedabad <i>Repurposing antiviral agents in treatment of Alzheimer's disease using Computational studies and molecular docking analysis</i></p>
11.00-13.00 hrs.	<p>Oral Session VIII Neuroendocrinology</p> <p>Chairpersons R Sandhir, Panjab University, Chandigarh UC Srivastava, Allahabad Univ, Allahabad</p> <p>1. A Goyal, GLA University, Mathura,</p>	<p>Oral Session IX Neuropharmacology</p> <p>Chairpersons: R Shukla, CSIR - CDRI, Lucknow U Rajamma, IUCBR & SSH, Kottayam</p> <p>1. Madhavrao C, Azezia Institute of Medical Sciences & Research, Meeyannoor, Kerala</p>	<p>Oral Session X System Biology</p> <p>Chairpersons CK Mukhopadhyay, JNU, New Delhi A Chauhan, USA</p> <p>1. R Choubisa, BITS, Pilani, Pilani, Rajasthan <i>Adaptive brain ~ an affective</i></p>

	<p>Uttar Pradesh <i>Bilateral ovariectomy attenuates phosphorylation and translocation of estrogen receptor</i></p> <p>2. N Chakrabarti, University of Calcutta, Kolkata <i>Interplay of cognitive performances, biological clock, gender features and reproductive cycle: a preclinical study</i></p> <p>3. R Chaube, BHU, Varanasi <i>Estrogen regulation of Gonadotropin-releasing hormone-II in the catfish <i>Heteropneustes fossilis</i></i></p> <p>4. P Lal, Kavli Institute for Systems, NTNU, Trondheim, Norway <i>The function of gonadotropin-releasing hormone (GnRH) neurons in olfactory computations</i></p> <p>5. S Bhargava, Savitribai Phule Pune University, Pune <i>Central adaptive mechanisms involved in mediating amplexus behavior in anurans (<i>Microhyla ornata</i>)</i></p> <p>6. R Sandhir, Panjab University, Chandigarh <i>Altered Insulin receptor signaling is involved in streptozotocin rat model of sporadic Alzheimer's disease</i></p>	<p><i>5HT3 blockers and their effect on induced seizure tests in experimental models</i></p> <p>2. M Patri, Ravenshaw University, Cuttack <i>Postnatal exposure to benzo[a]pyrene caused neurobehavioral impairment and neurotransmitter alterations in early adulthood of male Wistar rats</i></p> <p>3. R Shukla, CSIR-CDRI, Lucknow <i>Uncontrolled blood pressure a risk for dementia: ace inhibitors a newer therapy</i></p> <p>4. U Rajamma, IUCBR&SSH, Kottayam, Kerala <i>Gender-specific effect of 5-HT and 5-HIAA on threshold level of behavioral symptoms and sex-bias in prevalence of autism spectrum disorder</i></p> <p>5. SD Chowdhury, Basirhat College, Kolkata <i>Iron depletion influences cognitive development in Santal children of Purulia District, West Bengal, India</i></p> <p>6. G Chandra, IUCBR &SSH, Kottayam, Kerala <i>Increase in mitochondrial biogenesis in neuronal cells by an oxygenated nanobubble formulation</i></p>	<p><i>cognitive neuroscience-based approach to stimuli processing in healthy individuals</i></p> <p>2. P Srivastava, AMITY University, Lucknow, <i>Systems biology approaches in biomarker discovery with reference to neurology</i></p> <p>3. MK Asthana, BVRIT, Medak, Telangana <i>Ethnic difference in affective stimuli processing across arousal and valence dimensions: Results from Mexico & India</i></p> <p>4. P Shrivastava, IIT, Hyderabad <i>Do mode of display effect the spatial learning in virtual space</i></p> <p>5. JN Singh, NIPER, Mohali, Chandigarh <i>Investigations on the involvement of transient receptor potential melastatin-2 channels in Parkinson's disease using in vitro model</i></p> <p>6. MH Shahi, AMU, Aligarh <i>Novel target homeodomain transcription factors to treat medulloblastoma</i></p>
13.10-14.00 hrs.	Lunch		
Venue: KN Udupa Auditorium			

14.00-15.00 hrs.	<p>Panel Discussion</p> <p>Moderator G Gupta Department of Biotechnology Government of India, New Delhi</p>
15.00-16.00 hrs.	<p>Closing Ceremony</p>

Poster Session 1, October 29, 2018

P.NO.	Presenter	Title
Neurodegenerative & Neuropsychiatric Disorders		
1	Mrinmay Dhauria University of Calcutta, Kolkata	A genetic association study of serotonin transporter (SLC6A4) and monoamine oxidase
2	Akanksha Mishra IIT-BHU, Varanasi	Effect of 6-hydroxydopamine on glucocerebrosidase (GCase) enzymatic activity in striatal tissues of rats
3	Akash Saha CSIR-IICB, Kolkata	Role of pro-apoptotic proteins in dysregulation of autophagy in Alzheimer's disease
4	Amit Tripathi IIT, Delhi	Analysis of ALS associated pathogenic mutation in matrin-3 gene
5	Anamika BHU, Varanasi	SIRT3 activator prevents mitochondrial bioenergetic derangements in the brain of MoHE rats
6	Anjana Panjab University, Chandigarh	Differential susceptibility of mice strain to MPTP-induced Parkinsonism
7	Anoy Kumar Das CSIR-IICB, Kolkata	Understanding the role of cell cycle molecule cdc25a in parkinson's disease related neurodegeneration
8	Archana Choudhary University of Calcutta, Kolkata	Paraquat induced inhibition of ACHE activities in brain and skeletal muscle causes impairment of locomotor activities in young adult mice.
9	Arunibha Ghosh University of Calcutta, Kolkata	DBH and COMT influence the susceptibility of Parkinson's disease among
10	Sishant Era University, Lucknow	Impaired autophagy is associated with human dental pulp stem cell death in ischemic stroke
11	Garima Gupta	Correlation of pink1/parkin pathway to mitochondrial health in Parkinson's diseases

	IMS-BHU, Varanasi	
12	Bindu Kumari IIT-BHU, Varanasi	Optimal neural sensor based control using linear envelope waveform for developing affordable neuroprosthetic hand in amputee patients
13	Binita Ghosh SP Mukherjee Univ, Ranchi	Characterization of <i>Drosophila melanogaster</i> Park13 mutant as a model system to study
14	Brijesh Singh Chauhan BHU, Varanasi	Identification of novel tau associated proteins by proteomic approach using transgenic AD model of <i>Drosophila</i>
15	Deepika Jauhar Sophia College, Mumbai	Statins as a possible Alzheimer's disease model in <i>Drosophila</i>
16	Deepti Sharma DIHAR,DRDO, Leh-Ladakh	Hypoxia mediated alteration in raft dynamics regulates BDNF signalling and neurodegeneration in hippocampus
17	Devanjan Dey AIIMS, New Delhi	Effect of hypoxia on human fetal neural stem cells and oligodendrocytes – a disease model to delineate the pathogenesis of cerebral palsy
18	Dibyakanti Mishra IIT, Delhi	Comparative study of cell death due to amyotrophic lateral sclerosis (ALS) in neuronal cell model
19	JS Fakir RTM Nagpur Univ, Nagpur	Influence of minimal traumatic brain injury on the reward and reinforcement: Involvement of nitric oxide system
20	PJ Samuel Sophia College, Mumbai	A survey on prevalence of premenstrual Syndrome (PMS) among college students of Mumbai.
21	Piyali Misra IIT, Kanpur	Elevated levels of dexamethasone, a synthetic glucocorticoid, inhibit neuronal autophagy and delay the clearance of huntingtin aggregates
22	Meghraj Singh Baghel BHU, Varanasi	Vdac1 downregulation causes mitochondrial disintegration leading to hippocampal neurodegeneration in scopolamine-induced amnesic mice
23	Naveen Shivavedi IIT-BHU, Varanasi	Ascorbic acid therapy: a potential strategy against diabetes comorbid depression in rats
24	Sasi Bhushan NIMHANS, Bengaluru	Mifepristone blocks the anxiolytic and antidepressant effects of Allopregnanolone
25	Savita Kumari Bhagat NIMHANS, Bengaluru	Chitotriosidase, a biomarker for Sporadic amyotrophic lateral sclerosis does not have a direct effect on NSC-34 motor neuronal cell line
26	Shikha Kalotra G N Dev University, Amritsar	Collagen-laminin encapsulated 5-nonyloxytyptamine oxalate promotes neuroregeneration
27	Shivani Rath IMS-BHU, Varanasi	Case series of 3 patients with complex head & oro-facial movements following hypoxic insult.
28	Sidra Mohamed Yaqoob Sophia College, Mumbai	Assessment of apoptosis and mitochondrial dysfunction in <i>drosophila melanogaster</i> park ¹³ mutants with rescue using glp-1 agonist
29	Sonali Siragowni Sriranga	Alpha peak frequency and its topographical localization depend on modality and levels of brain processing - An event-

	ABRL, Bengaluru	related EEG study
30	Sowmya Gunasekaran RGCB, Trivandrum	Regulation of neuronal N-methyl-D-aspartate receptors by microRNAs
31	Niloy K. Lahiri ICBI, Indianapolis, USA	Novel compounds to disengage NF- κ B binding, disrupt neuroinflammation and defeat Alzheimer's disease
32	Sushobhan Biswas CSIR-IICB, Kolkata	Chewing tobacco as an inducer of Neurodegeneration
33	Subhadeep Dutta Gupta NIMHANS, Bengaluru	Short photoperiod improves affective-cognitive functions in ventral subicular lesioned rats
34	Sulakshana Rao Christ University, Bengaluru	Indian prospective memory questionnaire: development and validation of a socio culturally appropriate cognitive tool for psychosis
35	Sumedha Mukherjee IIT-BHU, Varanasi	Estriol combats neurodegeneration by inhibition of RIPK1
36	Walia Zahra BHU, Varanasi	Modulatory effect of ursolic acid on α -synuclein aggregation in rotenone induced parkinsonian mice model
37	Upma Dave IIT, Delhi	Functional characterization of D-amino acid oxidase (DAO) mutation implicated in Indian amyotrophic lateral sclerosis patient (ALS)
38	Vidya M IUCBR & SSH, Kottayam	High prevalence of Parkinson's disease in semi-urban population of Kerala: A preliminary study in several wards of a grama panchayat
39	Vijayshri Shripati Dhole RTM Nagpur Univ, Nagpur	Deep brain stimulation of medial forebrain bundle in chronic mild stress rat restores decreased BDNF level
40	VY Mardhekar RTM Nagpur Univ, Nagpur	Glutamatergic transmission within IL region of mPFC important for D-serine induced facilitation of ethanol extinction
41	Vivek Mishra Sophia College, Mumbai	Effect of metformin on the stalk length of <i>Dictyostelium discoideum</i>
42	Tarun Kumar Bharbhuyan Era University, Lucknow	MCC950, a NOD like receptor protein inhibitor, impedes the activation of NLRP3 inflammasome and Autophagy in ischemic stroke
43	Dr.Prathab Asir A SMIMS, Kulasekharam	Experimental evaluation of antidepressant properties of benzimidazoles in wistar albino rats
44	Akash Gautam CNCS, HCU, Hyderabad	The rodent model of mild-traumatic brain injury induced Alzheimer's disease
45	Priya Battu PGIMER, Chandigarh	Serum levels of TNFRS10A1 and COL10A1 in Age related macular degeneration
46	Priya Mehra PGIMER, Chandigarh	How validation can increase reliability of research data: A case study
47	Radhika Khosla	CSF of ALS patients contains factors that may influence the viability of NSC34 cell line

	PGIMER, Chandigarh	
Aging & Developmental Neurobiology		
48	Akanksha Kushwaha BHU, Varanasi	Altered histone H3K9 methylation in hippocampus of old mice is correlated with reduced memory consolidation during aging in mice
49	Asha S C NBRC, Manesar	MiRNA-137 regulates neural stem cell fate determination by modulating mitochondrial dynamics
50	Fahad Abdulla Fazjar IIT-BHU, Varanasi	Optimal design of cost-effective head-cooling cap for therapy of neonatal asphyxia
51	G Roana Liz IUCBR & SSH, Kottayam	Incidence of autism spectrum disorders reveals an increasing trend in an Indian population: preliminary results of a door-to-door survey in Kerala
52	Bhabotosh Barman BHU, Varanasi	Neurospine expression is positively correlated with hippocampal synaptogenesis in developing mice
53	KC Bins CUST, Kerala	Role of gp-130 associated cytokines (CNTF&LIF) in the proliferation and differentiation of neural stem precursor cells from SVZ and DG of adult mice brain.
54	Indra Pal AIIMS, New Delhi	Age-related changes in the parvalbumin-immunoreactive neurons in human inferior colliculus: stereological study
55	Paras Pravin Patni RTM Nagpur Univ, Nagpur	Striatal dopamine receptor antagonism by sulpiride facilitate antipsychotic like profile of NR2C/2D potentiator CIQ in animal models of schizophrenia
56	Prabha Prakash CUST, Cochin, Kerala	Isolation and Characterization of blood derived stem cells expressing neuronal markers
57	PS Mahadik Sophia College, Mumbai	Effect of retinoic acid on the craniofacial development in Zebrafish
58	Rinku Raj Mullasseril IUCBR & SSH, Kottayam	Incidences of Alzheimer's disease and related dementia cases in Kerala
59	Spoorthi B C DSU, Kumaraswamy	Targeting therapeutic potential of mitochondrial antioxidant Mito Q to combat peroxynitrite mediated mitochondrial dysfunction in aged rat brain
60	Babangshisha kharbuli NEHU, Shillong	Effect of dietary restriction on the modulation of inflammatory markers in aging mouse brain
Neurobiology of Sleep		
61	Akshay Anil Dixit Sophia College, Mumbai	Effect of video games on executive control, aggression, gaming motivation and sleep
62	Harish Mohan Kawade RTM Nagpur Univ, Nagpur	Neurobehavioral deficits following acute NMDA receptor blockade in developing mouse brain: a model for attention deficit hyperactivity disorder

63	R Kumar Yadav JNU, New Delhi	Interaction between dopaminergic and GABA-ergic neurons in substantia nigra for the regulation of rapid eye movement sleep in rats
64	Saipriya P CUST, Kerala	Disturbance in Ca^{2+} homeostasis on mammalian neural stem cells: in vitro evaluation
65	Yashaswee Mishra JNU, New Delhi	Saccades inhibition during rapid eye movement sleep by microinjection of local anesthesia into the superior colliculus impairs visuospatial learning in rats
Mental Health		
66	Aaveri Sengupta University of Calcutta, Kolkata	Association between intellectual disability and its peripheral biomarkers: An investigation on inmates of rehabilitation home, Kolkata, India
67	Abhai Kumar ISLS-BHU, Varanasi	Diffusion tensor imaging based white matter changes and antioxidant enzymes status for early identification of mild cognitive impairment
68	Priya Dev IMS-BHU, Varanasi	Admission markers predict poor outcome in stroke patients
69	Sooraj Patil IMS-BHU, Varanasi	GQ1b-seronegative Miller Fisher syndrome: Clinical features and response to plasmapheresis
70	Vineeta Singh IMS-BHU, Varanasi	Identification of diagnostic biomarker for mild cognitive impairment in eastern u.p. and bihar population
71	Rupesh Prasad IMS-BHU, Varanasi	A study of clinical spectrum of dystonia in a tertiary care center of India
Neurooncology		
72	Krishnendu Ghosh University of Calcutta, Kolkata	Analysis of variable biomolecular attributes of low grade CNS tumors indicating higher grade transformation in post-operative
73	Rahul S. Nair IARHS, Tamil Nadu	β -adrenergic stimulation differentially alters metabolic reprogramming and survival signaling cascades in breast cancer cell lines depending upon Estrogen Receptor (ER) status
Glial Neurobiology		
74	Abhishek Mukherjee JNU, New Delhi	Role of reactive oxygen species in regulating iron homeostasis in microglial cell
75	Ajeet Kumar Singh BHU, Varanasi	ML171, a specific inhibitor of Nox1, alleviates formalin induced hyperalgesia by inhibition of ERK signaling and glial activation
76	Payel Ghosh	Variations in the dynamic behaviour of microglia with development and maturity

	WBS University, Kolkata	
77	Pratibha JNU, New Delhi	Dopamine promotes ferritin degradation in astroglial cells
Neurotoxicology		
78	Poonpun Das V.N. Autonomous Colleg, Jajpur	Exposure of ambient air pollution and oxidative stress of pregnant women of three districts of Odisha
79	Shwetha V D Sagar Univ, Bengaluru	Effect of medicinal plants against neurotoxic venoms of Indian krait and cobra
80	Swati Singh Thakur Dr. HG Vishwavidyalaya, Sagar	Arsenic induced neurotoxicity via multibiomarker in Zebrafish brain (<i>Danio rerio</i>)
81	Vijay Kumar MD University, Rohtak	Neuroprotective effect of hydroxytyrosol against arsenic-induced oxidative impairment and neurotoxicity in rats
82	Anima Roy BHU, Varanasi	Level of neuro-myelination and its modulation by methylcobalamin in a CLF rat model of neuroexcitotoxicity
83	Syeda Zehra Haider NIMHANS, Bengaluru	Inner retinal neurons show diabetes induced changes in mitochondrial physiology
84	Yati Sharma GLA University, Mathura	Intracerebroventricular administration of streptozotocin deteriorates mitochondrial bioenergetics in experimental rat brain
85	Arup Acharjee BHU, Varanasi	Selective vulnerability of the different regions of hippocampus in glutamate led excitotoxic moderate Hepatic Encephalopathy rat model
Ayurveda medicine		
86	Madhuparna Chatterjee University of Calcutta, Kolkata	Ayurvedic medicine and its effect on the brain
Behavioural & Cognitive Neuroscience		
87	Amrita Mukherjee CSCR, ISI, Kolkata	Blind-spot filling-in by heterogeneous colour gradient
88	Amit K Saha NIMHANS, Bengaluru	Differential localization of hdac4 and hdac5 in epileptic hippocampal neurons
89	Ashutosh Ahire NIMHANS, Bengaluru	Contrasting effects of finasteride on memory in the radial arm maze and morris water maze tasks

90	Dr. Pranay S. Yadav NIMHANS, Bengaluru	The cognitive consequences of expressive suppression: explorations in psychophysiology
91	Dr. Satabdi Ghosh ISI, Kolkata	Understanding the pros and cons of childhood obesity based on a review on the role of leptin and insulin resistance in the cognitive development of obese population
92	Dr. Shubhi Saini AIIMS, New Delhi	Morphological development of human cochlear nucleus from early prenatal to postnatal period- A stereological study
93	Fathima Zeba CHRIST University, Bengaluru	Emojis as emotional stimuli: influence of mood and individual characteristics
94	Gourab Lahiri Amity University, Kolkata	Test of social bonding in humans with watermelons
95	Barnini Bhattacharya ISI, Kolkata	Effect of rising water temperature on swimming behaviour in rheotaxis of adult Zebrafish
96	Debanjana Sen University of Calcutta, Kolkata	Alterations of forebrain activation pattern during different taste perception with gender variation: A fNIR(s) Study
97	Debasish Biswal Ravenshaw University, Cuttack	Effect of early exposure to benzo [a] pyrene in hypoxic condition on learning
98	Lipsa Das Ravenshaw University, Cuttack	In utero exposure to B[a]P on neurobehaviour and neuromorphology of rat brain through brain monoamine-oxidase (MAO)
99	Harishankar Moosath CHRIST University, Bengaluru	Behavioral measures of ecision making: A comparison between Iowa gambling task, delay iscounting and balloon analog risk taking
100	John Thomas NBRC, Manesar	Resting state somatosensory functional map is composed of multiple networks in macaque monkeys and humans.
Poster Session-II, October 30, 2018		
101	Kambhampati Mrudula NIMHANS, Bengaluru	Role of neurosteroids in the modulation of cognitive flexibility by exposure to enriched environment
102	KN Sangani IIIT, Hyderabad	Would perceptual and propositional problem solving strategies effect creative problem solving differentially?
103	Pavan Pramod Pandit Sophia College, Mumbai	Assessment of the effect of valproic acid on feeding response of <i>Hydra viridissima</i>
104	Larica Mohanta Ravenshaw University, Cuttack	Lactobacillus rhamnosus gg modulates gut microbiota and attenuates anxiety-related behavior by protecting against B[a]P and E
105	Maltesh Kambali NIMHANS, Bengaluru	Positive and negative effects of early life stress on cognitive and emotional behaviours.
106	Meenakshi Maurya AIIMS, New Delhi	Iron regulatory proteins in retinal changes induced by bright light in chicks
107	Pratibha Thakur	A Role of oxytocin in the acute reinforcing effect and long-term adverse effect in central nervous system

	Barkatullah University, Bhopal	
108	Pratik Purohit IIT-BHU, Varanasi	Multimodal neurocognitive assistive device for dyslexic children
109	Pratishtha Sonker BHU, Varanasi	Phase shifting effect of socio sexual cues at different circadian times in mice
110	Dr Saroj Kaler Jhajhria AIIMS, New Delhi	Preliminary study of human hippocampal pyramidal cells and astrocytes in suicidal deaths
111	Raghava Jagadeesh Salaka NIMHANS, Bengaluru	Enriched environment partially restores abnormal hippocampal synaptic plasticity in temporal lobe epilepsy
112	Sandhya Mogily Univ of Hyderabad, Hyderabad	Characterization of olfactory system of <i>Apis dorsata</i>
113	Sanjeev Kumar Soni BHU, Varanasi	Melatonin does not affect light-induced masking of the locomotor activity rhythm in the Indian palm squirrel, <i>Funambulus pennantii</i>
114	Saptarsi Mitra NISER, Bhubaneswar	Interaction between cocaine-and amphetamine-regulated transcript (CART) and dopamine-containing systems in the brain of Zebra finch, <i>Taeniopygia guttata</i>
115	RRP Rahangdale RTM Nagpur Univ, Nagpur	Prevention of food access as a model of anger-like behaviour in rats: an involvement of serotonergic system
116	Ramitha P A IUCBR & SSH, Kottayam	An estimated prevalence of attention deficit hyperactivity disorder (ADHD)
117	Reema Mitra Ravenshaw University, Cuttack	Effect of benzo[a] pyrene to study the role of DNA methylation and anxiety-like behaviour in Zebrafish
118	Ritu Manohar Dongare RTM Nagpur Univ, Nagpur	Activation of cholinergic system in zona incerta improves memory and mitigates cholinergic induced amnesia in mice
119	Ritwika Choudhuri IIT, Bombay	Neural strategies underlying human postural control: a power spectral analysis
120	S Shalini Mahadev Hyderabad	Morphological and functional characterization of a novel structure in the lateral proto-cerebral brain region of <i>Hieroglyphus banian</i> (grasshopper).
121	Samruddhi A. Wagh RTM Nagpur Univ, Nagpur	Effect of NR2C/2D receptor antagonist DQP within mediodorsal thalamus on acquisition and consolidation of recognition, fear and working memory
122	Shalini Shukla IGNTU, Amarkantak	Esculetin alleviates restraint stress-induced anxiety-and depressive-like behaviors, and cognitive impairments in mice by impeding neuroinflammation and up-regulation of BDNF level
123	Shambhovi mitra IIT, Delhi	Relation between heart rate variability and depression in spinal cord injury: longitudinal study
124	Shivani Gupta AIIMS, New Delhi	Role of mu-opioid receptor, neuropeptide Y and the anti-opioid peptide brain-derived neurotrophic factor in the development of tolerance following chronic morphine administration in rats.
125	Sree lakshmi Sadanandan	Screening of sesquiterpenoids from <i>Celastrus paniculatus</i> : Effect on learning and memory

	CUST,, Cochin	
126	Tiyasha Sarkar Jiwaji University, Gwalior	Perinatal multi stress exposure impairs memory in adult rats via caspase-3 dependent β III tubulin catastrophe in CA1 neurons
127	Tushar Pyne University of Calcutta, Kolkata	Is the cannabinoid receptor 1 polymorphism rs12720071 (A/G) associated with human happiness and subjective wellbeing?
128	Tushar Ranjan Bhatta University of Calcutta, Kolkata	Rise of anxiety and deterioration of memory performance in mice after Paraquat treatment.
129	Tanaya Batabyal AIIMS, New Delhi	Cortical diaspora of processing face and words as distractors during emotional interference:- A quantitative EEG study
130	Veena Kamble Maharashtra	How long till we punch? an impulsive variant of aggression in indian youths
131	VP Krishnan NBRC, Manesar	Chronic iron deficiency alters neuronal morphology in the somatosensory cortex
132	Kirti Ojha Univ of Allahabad, Allahabad	Neuronal plasticity in parahippocampal area (APH) during non-breeding period of <i>Coracias benghalensis</i> (Linnaeus, 1758)
133	Vivek Verma BHU, Varanasi	Effects of different lighting schedule on locomotor activity rhythm and anhedonia associated behaviour in a diurnal mammal
134	Bhupesh Patel Ravenshaw University, Cuttack	Neonatal exposure of benzo[a]pyrene causes behavioural changes leading to altered cytomorphometry in adult rats
135	Syed Wasifa Qadri Sophia College, Mumbai	Role of DHA in hypoxia-induced motor impairment of <i>Caenorhabditis elegans</i>
136	Jaskirat Kaur Amity University, Noida	Spinal cord injury impairs the ability to imagine: A cross sectional study
Neuroprotection and Neuropharmacology		
137	Anshul Shakya Dibrugarh Univ, Dibrugarh	Evaluation of neuropharmacological effect of hydro-alcoholic extract <i>Benincasahispida</i> (Thunb.) cogn. fruit in mice
138	Anurag Kumar Singh IMS-BHU, Varanasi	Laponite-based donepezil nanodisks for effective brain delivery: Preparation and characterization
139	Arshdeep Kaur Sethi IMS-BHU, Varanasi	Knowledge, attitude, practice and drug utilization pattern in patients of epilepsy in North India.
140	AB Mahale RTMj Nagpur Univ, Nagpur	Investigation for neuroprotective effect of protocatechuic acid on MCAO induced ischemic/reperfusion injury in rats
141	Balpreet Kaur AIIMS, New Delhi	Beneficial role of curcumin on basal forebrain of mice subjected to arsenic trioxide exposure
142	Bhupender Verma	Deciphering the neuroprotective mechanisms of ayurvedic formulations using animal models of Lafora disease

	IIT, Kanpur	
143	Chinthu V Saji IUCBR & SSH, Kottayam	Nano-formulated herbal extracts vs. nano-formulated active constituents: Preclinical studies against Parkinson's disease
144	Harsha Kashyap Banasthali Vidyapith, Rajasthan	Bioefficacies of polypeptide-p as a potent candidate for correction in diabetic neuropathy in mice
145	Ibrahim Olabayode Saliu Federal Univ Tech, Akure	Tetrapleuratetraoptera and Occimum sanctum reduces molecular changes following cerebral ischemic injury
146	Juli Jain Dr. HGC University, Sagar	Quercetin, a plant flavonoid ameliorates rotenone induced oxidative stress: In vitro study
147	Kamakshi Mehta AIIMS, New Delhi	Beneficial role of resveratrol on Arsenic trioxide induced cognitive deficits
148	Dr. Aanchal Aggarwal NAF Biot Inst, SAS Nagar	Epigenetic regulation of cognitive functions in surgically induced menopause- preventive role of S-nitrosoglutathione.
149	Meenu Yadav IIT-BHU, Varanasi	Design, synthesis and biological evaluation of novel molecules for the management of Alzheimer's disease
150	Priyanka Sharma IIT-BHU, Varanasi	Ameliorative potential of Pyrus pashia methanolic fruit extract and its bioactive component, chrysin against experimental models of epilepsy: Possible role of GABA mediated mechanism
151	Rakesh Kumar RTM Nagpur Univ, Nagpur	Neuroprotective effect of deferoxamine in ischemic reperfusion injury involves post- ischemic regulation of survival/death signalling proteins.
152	Shriti Sureshwar Thakur RTM Nagpur Univ, Nagpur	Adolescent intermittent ethanol exposure perturbs food reward functions in adulthood: involvement of the dopaminergic system
153	Tripti Halder Nirma University, Ahmedabad	Development and in-vitro evaluation of Nanostructured lipidic carrier with a polyphenol as a brain targeting and neuroprotective
154	Kanupriya PGIMER, Chandigarh	Yoga may induce epigenetic changes in the genes of Neurogenesis which may have a Neuro protective function

Neuroinfection and inflammation

155	Avishek Halder Panjab University, Chandigarh	Crosstalk between innate immune response and mitochondrial dynamics following global ischemic injury
156	Perminder Singh AIIMS, New Delhi	Anti-inflammatory effect of octreotide, a somatostatin analogue in rats and its comparison with morphine
157	Priyanka Sinha IIT, Kanpur	Role of neuroinflammation in the functional interplay between aging and seizure susceptibility
158	Reshma Bhagat NBRC, Manesar	Molecular mechanisms of Zika virus induced microcephaly
159	Rahul Kumar	Intra-wound administration of activated protein C attenuates post-incisional nociception in rats

	AIIMS, New Delhi	
160	Sanjay Kumar BHU, Varanasi	Quercetin alleviates CFA induced inflammatory chronic hyperalgesia by modulating ROS mediated ERK signaling and glial activation in vivo
161	Saba Sarwar AIIMS, New Delhi	Fluoride induces oxidative stress neuroinflammation and apoptosis in enteric nervous system in developing rats
162	Sachchida Nand Rai BHU, Varanasi	Ursolic acid attenuates neuroinflammation by NF- κ B pathway in MPTP induced mouse model of Parkinson's Disease.
163	Sharath Babu K AIMSR, Kollam	Evaluation of analgesic properties of tetracycline group of antimicrobial agents in wistar albino rats
164	Sourodip Sengupta IISER, Kolkata	Role of matrix metalloproteinases (MMPs) and tissue inhibitor of MMPs (TIMPs) in virus-induced neuroinflammation
165	Trupti Ghatage RTM Nagpur Univ, Nagpur	Anti-nociceptive effect of I2 receptor agonist 2-BFI is mediated by hippocampal μ -opioid receptors in chronic constriction injury model of neuropathic pain
166	Nivedita Chatterjee Sankara Nethralaya, Chennai	Comparing Immuno-miRs in glial cells and HIV positive patients with ocular manifestation of immune reconstitution inflammatory syndrome
167	Whidul Hasan Dr HG Central University, Sagar	Neuroprotective efficacy of mitochondrially targeted curcumin against rotenone induced toxicity in mice
168	Vishnu Shandilya M C Hyderabad Univ, Hyderabad	The temporal effect on the working memory performance and Arc mRNA expression after the novel experience in amnesic mouse model
Brain Imaging and Computational Neuroscience		
169	Himanshu Bansal Dayalbagh Edu Institute, Agra	Conditions for sustaining optogenetic control of neuronal firing in red-shifted vf- chrimson expressing neurons upto 1 kHz
170	Mitha Thomas Sree CTIMST, Trivandrum	Effects of HCN2 mutations on dendritic excitability and synaptic plasticity: A computational study
171	Sant Saran Dayalbagh Edu Institute, Agra	Low-power, ultrafast and high-fidelity optogenetic control of chronos-mediated neuronal firing
172	Suruchi Poddar IIT-BHU, Varanasi	Spatio-temporal guiding of axons within compartmentalized microfluidic devices
173	Suvojit Hazra University of Calcutta, Kolkata	Computational characterization of interaction of synaptotagmin-1 C2B domain and sevoflurane: an approach for rational drug design on Dementia
174	Swarn S. Warshaneyan AMITY University, Lucknow	<i>In silico</i> characterization and 3D structure prediction of SLC6A3 and SLC6A4 as potential targets against obsessive-compulsive disorder (OCD)
175	Avijit Paul ISI Kolkata	A voyage into the enigmatic Hermann-Grid illusion



International Conference on Neuroscience
&
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Banaras Hindu University, Varanasi – 221 005, Uttar Pradesh, India
October 29 - 31, 2018



Guidelines for Award Session and Poster Presentation

Dr. D.M. Kar Prize

Number of Prize – 1, Age limit - 35 years, Mode of presentation – Oral

Tulsabai Somani Educational Trust Award

Number of Award – 1, Age limit - 40 years, Mode of presentation – Oral

- The presenter should be member of the Academy.
- The presentation will be for 8 minutes followed by discussion/question(s) if any for 2 minutes.
- Multimedia facilities will be available for presentation.
- The presenters are advised to organize their presentation in the following way-
Prior art, Rationale/Hypothesis, Methods, Salient observations (Figures/Tables) with discussion and conclusion.
- Judgment is made on the following points : -
Clear objectives; Approach to the problem; Findings in relation to aims and objectives; Conclusion; Clarity of presentation and Ability to answer the question(s).
- **There will be minus points for candidates if aided by mentors or colleagues and / or for not keeping time.**
- **The decision of the Judges will be final.**

**Professor S. S. Parmar Research Foundation (USA) Award
Suttee Nag Prize
Sfn Bengaluru Chapter Award**

Number of Prize / Award – 2 in each category, Age limit - 35 Years, Mode of presentation – Poster

- The presenter should be member of the Academy.
- A small card sheet of 4 X 2 inches (length X width) bearing the words **FOR AWARD** should be affixed to the upper right corner of the poster.
- All conditions related with the judgment are same as above.
- The decision of the referees will be final.

For Poster Presentation -

- The size of the poster should be **3 X 4 ft. (width X length)**. It is advised that the poster should be organized in the following format -
- Title of the paper; Authors and Affiliation; Introduction; Materials and Methods; Observations (Tables/Figures) and Conclusion.
- The posters should be displayed before lunch and presenters should remain present during the time allotted for poster presentation.