

Young Scientist Colloquium 1: Tulsabai Somani Educational Trust Award

S.No	Name	Title of the abstract
YS1.1	Anamika	SIRT3 activation by honokiol restores mitochondrial dysfunction and cognitive impairment during MoHE led excitotoxicity
YS1.2	Annamneedi Anil	Social and emotional behavioral alterations in mouse models lacking presynaptic Bassoonin GABAergic interneurons
YS1.3	K.K Swapna	Astaxanthin Protection against Neuronal Excitotoxicity via Glutamate Receptor Inhibition and Improvement of Mitochondrial Function
YS1.4	Kumar Alok	“NOX2 activation and alteration in mitochondrial dynamics involved in muscle damage following Japanese Encephalitis virus infection
YS1.5	Kumar Rajesh	Pearls in the Lake: Unique Histomorphologic Features of Psammoma Bodies in Human Choroid Plexus
YS1.6	O.P. Neethu	A freshwater zooplankton, <i>Daphnia sinensis</i> as a disease model system in the study of motor symptoms in Parkinson's disease
YS1.7	Saikai Angana	Study of early-stage Parkinson's illness EEG activity using wavelet techniques
YS1.8	Sharma Gunjan	Reviving Mobility: Investigating the Therapeutic Potential of Intermittent Theta Burst Stimulation (iTBS) in Spinal Cord Injured Rats
YS1.9	Tripathi Prashansa	The Neural Correlates of Deception
YS1.10	Deeksha Patel	Intermittent theta burst stimulation induces motor and sensory functional recovery in complete spinal cord injury patients

Young Scientist Colloquium 2: Dr. DM Kar Prize

S.No.	Name	Title of the abstract
YS2.1	Arora Palkin	Closed head injury leads to bi-directional crosstalk between the brain and systemic physiology
YS2.2	Keethedath Nishad	Anovel, non-toxic polymeric nano particle for neuronal mitochondria targeting
YS2.3	Pawar Namrata	CREB-binding protein (CBP) plays an essential role in the regulation of cocaine- and amphetamine regulated transcript peptide (CARTp) during operant conditioning for intracranial self-stimulation
YS2.4	Shainy. R. Munna	Identifying Emotions Par Formats: EPN and LPP during Emotion Recognition in Human Faces, Emoji Faces, and Stick Figures
YS2.5	Shivakumar Apoorva	Medial-Septal GABAergic neurons are essential for social memory in mice
YS2.6	Soumita Goswami	ICAM-1 reduces Amyloid β mediated neuroinflammation and cognitive impairment by potentiating microglial phagocytosis
YS2.7	Vaishnavi Arun Borade	Diet restriction induced reward sensitization: A role for chromatin remodeling in dopaminergic neurocircuit

List of Posters

S.No.	Name	Title
P1	Abir Mondal	G6PD-Nitric oxide axis: a fundamental regulator of neuroinflammation and phagocytotic clearance of SARs-CoV2 Spike protein.
P2	Aishwarya Ghosh	Relationship between Levels of Vitamin D and Cognitive Functioning in an Urban Indian Ageing Cohort: An Explorative Study
P3	Akanksha Mishra	Expression of Neurotrophins (BDNF and NT-3) and their Receptors in Adult Human Cochleae
P4	Akanksha Singh	Iron overload and unfolded protein response (UPR): Induction of UPR after iron accumulation in the retina of male Wistar rat
P5	Akash M Waghade	The neuronal NOS activates SC-VTA circuitry during reversal learning behaviour impaired in schizophrenic like condition in rats.
P6	Akila Ramesh	Impact of Gender on the Progression of Alzheimer's disease in AβPP-PS1 MouseModel: a Behavioral and Metabolic Analysis.
P7	Ambareen Naqiya	Sertoli depletion using lentivirus ameliorates behavioural deficits by autophagy modulation in models of Alzheimer's disease
P8	Amit Shiwal	Investigation on agmatinerig pathway in attention deficit hyperactivity disorder using exposure of 6-Ohda in mice
P9	Ananya Shukla	Identification of common biological pathways between Alzheimer's Disease (AD) and Metabolic Disorders (MD)
P10	Anisha S Menon	Stripe Factors for targeted epigenetic remodeling for Nervous system regeneration
P11	Anjana J Menon	Exploring the links between Serum Uric Acid Levels and Cognition- A study conducted in an Urban Cohort, Southern India
P12	Ankita Mukherjee	Caffeic acid a therapeutic natural medicine against cyclophosphamide induced acute neuronal toxicity in rats
P13	Ankita Sinha	Unravel the impact of TUDCA on Iba-1 immuno-positive microglial cells and DR progression.
P14	Annu Yadav	Investigation of Hypothalamic 5HT2C Receptor Signalling in Obesity & Metabolic Ageing.
P15	Anshita Singh	An Advanced Diffusion Magnetic Resonance Imaging Tractography Study in Euthymic Pediatric Bipolar Disorder
P16	Anurag Thapliyal	Molecular docking and simulation studies indicate immunomodulatory role of seaweed metabolites by interacting with microglia-specific proteins
P17	Arpan Mukhoti	Understanding the role of PIWIL 1, 2 and 4 in depressive disorder using Chronic Social Defeat Stress mouse model
P18	Arpita Soreng	Computational elucidation of selected kinase inhibitors as1potential PINK1 activators crucial for Parkinson's disease through molecular docking, simulationand scaffold analysis
P19	Arvind K Das	Early detection of Parkinson's disease by using artificial intelligence and analysis of clinico-genetic correlates
P20	Ashutosh Sharma	Identification of a novel Hv1 proton channel inhibitor to ameliorate neuroinflammation
P21	Bhagat Singh Jaiswal	Root of <i>Argyrea speciosa</i> attenuate post-stroke biochemical defects and histopathological alterations in rats
P22	Bhaskar Sharma	Immunocompetent cells and their possible role in age-related choroidal capillary changes in rat eye
P23	Chayan Banerjee	In-house natural product library screening identifies a resveratrol oligomer as Monoamine oxidase inhibitor in brain: therapeutic implications against Parkinson's disease
P24	Chayanika Banerjee	p38MAPK inhibitor SB202190 regulates iron storage component ferritin inglioma cells
P25	Chaynita Dashora	Understanding cognition and neuro-metabolism in 5xFAD mouse model of Alzheimer's Disease
P26	Chetan Mishra	Peripheral and central nervous system immune correlates of early life stress induced aggressive behaviour
P27	Dadasaheb Kokare M	Neuropeptide S suppresses pain-related aversion via activation of GABAergic neurons within anterior cingulate cortex
P28	Deep Shikha	Effect of Citrus Odor exposure on the performance in Stroop Task and Salivary Testosterone Levels in healthy individuals.
P29	Deepali Mohan Pandhare	Neuropeptide S alleviates neuropathic pain symptoms via activation of lateral hypothalamic orexinergic system.
P30	Deepanjali Dilip Ghadge	Studying olfactory behavior of <i>park¹⁹</i> mutant, A Parkinson's Disease model of <i>D. melanogaster</i>
P31	Devanshu Kaushik	Role of TGR5 in Neural Stem Cell Homeostasis
P32	Devesh Kumar	Platelets-Neutrophils and Platelets-Monocyte crosstalk in TBM: A Pilot Study
P33	Devika Mahimkar	Delineating the sex-specific role of Fork head family proteins in anxiety- like phenotype using the prenatal stress mouse model
P34	Dhanshree Borkar Sayangrushi	Neurotoxicity of Neonicotinoid Pesticides in early life exposure: A Meta Analysis
P35	Dhyagude Sainath Sunil	Beyond witnessing: Underlying neurobiological mechanisms of vicarious trauma-mediated development of learned helplessness in male and female mice
P36	Dipak Keshav Sahare	Role of central amygdalar dopaminergic system in the generation of anger- like responses in rats
P37	Diptesh Roy	Disparate unfolded protein response of astrocytes in Alzheimer's disease
P38	Divya Gupta	Protective efficacy of Caffeic Acid against acrylamide-induced neurotoxicity in rats
P39	Duhita Jadhav	Understanding the role of phytochemicals and Notch 1 in C6 glioma cells and N2A Neuroblastoma cells: An In silico and in vitro validation duhita.jadhav.p22012@sophiacollege.edu.in
P40	Elora Barik	The role of gut microbiome and associated metabolome in the regulation of symbiosis and dysbiosis through behavioral alteration protecting neural damage in adult zebrafish
P41	Harshita Ghanghoriya	Evaluation of Neuroprotective Effects of Salvia Officinalis on Brain Tissues in Cerebral Ischemia
P42	Harshini Ananad	Decoding Sanskrit effect-Impact of chanting on the working memory of children
P43	Hemant S Kanhere	Lateral habenula-deep brain stimulation improves spatial recognition memory in depressed rats
P44	Himanshi Yadav	Analysis of Olfr13 for its possible involvement in microglia-mediated brain immunity
P45	Himanshu Pandey	Unravelling the Auditory Enigma: A Comprehensive Neuroimaging Investigation of White Matter Tracts in Subjective Tinnitus
P46	Irshika Sharma	Diving into Anxiety
P47	Jaldhi	Deciphering the role of 17β-estradiol in pathogenesis of temporal lobe epilepsy
P48	Jhilik Dey	Targeting adult neurogenesis for hippocampal regeneration following neurodegeneration by recruitment of endogenous neural progenitors.
P49	Jyothi P Nair	Identifying transcriptional factors involved in non-canonical Hes1 activation
P50	Jyoti Chaurasia	Ex vivo metabolic alterations in a rat model of repetitive brain injury
P51	Jyoti Mishra	BBPT prevents apoptosis through Caspase-3/BCL-2 expression and suppresses neuro-inflammatory pathway in 6-OHDA induced unilaterally lesion rat model of Parkinson's disease through non-dopaminergic pathways
P52	Jyoti Tyagi	Exploring gene regulation and electro-behavioral alterations in Pilocarpine-induced epilepsy in rat
P53	Jyotsna Pandey	Understanding anxiety-like behaviors manifested in rodent model of Alzheimer's disease (AD)
P54	Kalpana Dhanik	Navigating the Neural Labyrinth: A Technical Exploration of Age-Related Changes in Brain Complexity
P55	Kamalesh S	Stereological analysis of microglia in rat hippocampus following partial sciatic nerve ligation
P56	Kashish Parnami	Neurochemical alterations in Primary Visual cortex (V1)during Retinal Degeneration
P57	Kavya Shah	Glycemic fluctuations and their effect Semaphorin 4D in Frontal Cortex of Diabetic Rats
P58	Khushboo Srivastava	Association of Pax6, Parkin and α-Synuclein in Parkinson's disease
P59	Krushna Eknath Yadav	Unravelling the Therapeutic Potential of Atomoxetine in Animal Model of Burn-Injury induced Chronic Pain
P60	Lipika Sha	Microglia Extracellular Traps: In health and disease
P61	Manish Kumar Dash	Understanding the role of biased and unbiased KOR agonist inModulation of Affective Behaviour
P62	Manjeet Kaur	Noradrenaline stimulates Na-K ATPase expression by increasing its mRNA stability by modulating HuK: Implications with rapid eye movement sleep and its loss
P63	Manoj Kumar Kumaran	Decoding the Molecular Mosaic of Age-Related Shifts in CNS Neuron Regeneration through Bioinformatics
P64	Meena Durgesh	NLRX1 a novel regular regulator of Innate Immunity in the Glioblastoma Tumor Microenvironment
P65	Meenakshi Kandpal	Investigation of Helicobacter pylori secretome on the gut-brain axis
P66	Mohd Aleem	Early and Delayed Neurobehavioral Consequences of Lateral Fluid Percussion-induced Mild Traumatic Brain Injury
P67	Mohil Mishra	Dental Pulp Stem cells (DPSC)-derived mitochondrial transfer as a neuroprotective biomolecule to rescue neurons against neurodegeneration in Alzheimer's disease like cell model
P68	Moumita Roy	Exploring USP14 as a Potential Therapeutic Target for Neurodegeneration: Insights from Rat Brain Studies.
P69	Mrunmayee Rade	Effects of Curcumin on Hyperglycaemia induced <i>Caenorhabditis elegans</i>
P70	Muqadas Wani	Deciphering The Anti-Tumor Activity of Limonene and Azelaic Acid in Neuroblastoma Cells
P71	Mydhili R	Uncovering sex-specific epigenetic regulatory mechanism underlying neural damage and recovery mechanism in the internal carotid artery occlusion mouse model
P72	Naveen Singh	Long-term neurobehavioral and neuro degenerative effects of nerve agent (vx) exposure in an animal model
P73	Neeraj Rawat	Combined exposure to chlorpyrifos and cypermethrin induces neuroinflammation and Parkinsonian indices in a rat model of Parkinson's Disease
P74	Neha Dhiman	Zebrafish as an alternative model for investigating sporadic Alzheimer's Disease
P75	Neha Srivastava	Identification of significant differentially expressed miRNA and their targets common in Idiopathic Parkinson's disease and Parkinson plus syndrome
P76	Neha Yadav	Fractal dimensions and lacunarity of Glioma sub components as a marker of genotypic status
P77	Nidhi Ghosh	Pax6 regulates pattern recognition receptor genes
P78	Niraj Kumar Gupta	Spatial Pattern of Cerebral Small Vessel Disease with Aging is Distinctive of Cognitive Status
P79	Nivedita Verma	Pharmacological Investigations on Therapeutic Potential of Gabexate Mesilate in Animal Model of Rheumatoid Arthritis
P80	Ozasvi R Shankar	Region specific alteration and activation of protein tyrosine kinase 2 in temporal lobe epilepsy
P81	Paalki Sethi	Histopathology of motor cortex in rats exposed to middle cerebral artery occlusion
P82	Pankhi Vatsa	Restorative potential of the mesenchymal stem cells secretome in neural progenitor cells receiving toxic insult of Monocrotophos
P83	Pavithra Rekha Ravikummar	Telomere Shortening in Leukocytes and Placenta: Links Gestational Diabetes Mellitus and Perinatal Depressive Symptoms
P84	Poonam Bhadauriya	<i>In-silico</i> evaluation of Potential Natural Neuroprotective Molecules for Treatment of Parkinson's disease
P85	Poonpun Das	The exposure of pregnant women to atmospheric pollutants is related to the period of early development of the foetus, low birth weight, preterm delivery and low placental weight which occurs due to oxidative stress and it may cause placental abnormalities
P86	Prajwal BG	Generation of drug induced model to study Parkinson's Disease
P87	Pratik Dange	Chronic rewarding stimulation alleviates depression-induced motivation andmemory deficit in rats
P88	Prekshi Garg	Machine Learning Driven Transcriptome Analysis Reveals MTRNR2L1 As The Potent Biomarker In Intellectual Disability Disorder
P89	Prince Upadhyay	BMAA induces myeloperoxidase-based HOCl production and aggravates lipid peroxidation in microglia
P90	Priya Gaganingh Thakur	Development and validation of high throughput screening platform using genetic cell line model for Parkinson's disease and Gaucher Disease
P91	Priyadharshini Veera Raghavan	Graphene based nanomaterials to support neuronal growth and function post injury
P92	Priyajit Chngdar	Neuroprotective effect of Virgin Coconut Oil against chronic drug induced Parkinson's disease
P93	Priyanka Yadav [BHU]	Neuroprotective effect of Vitamin B12 Supplementation on neuronal morphology andspine density after traumatic brain injury.
P94	Priyanka Yadav [CDRI]	Identification of natural product inhibitors of TRPA1 channel against neuropathic pain
P95	Raj Katariya	Unveiling the Neuroprotective Mechanisms of Agmatine in Huntington's Disease: Implications for Therapeutic Interventions
P96	Reena Chittora	Early diagnosis of Alzheimer's disease by Electrocorticogram and ameliorative effects of low intensity magnetic field stimulation in Streptozotocin rat model
P97	Rekha Koravadi Narasimhamurthy	Elucidating the mechanisms underlying the induction of neurotoxicity upon low-dose malathion and radiation exposure.
P98	Renu Negi	Identification of potential protein targets of Amyotrophic Lateral Sclerosis in TDP-43-mutated hiPSCs-derived 3D organoid model
P99	Ritika	Insilco study for the identification of biomarker for Tuberculous meningitis
P100	Roshni Singh	Neuroprotective effects of Nootropic drug Bacopa monnieri in Alzheimer's disease
P101	Rudraksh Banga	Electrophysiological brain mapping in infantile hemiplegic cerebral palsy patients
P102	Rupsha Mondal	Calcineurin inhibition rescues dopamine induced cytotoxicity and protects against behavioural decline in MPTP induced Parkinson's disease model
P103	Sachin Bhardwaj	RNA binding protein hnRNPA1 regulates O ⁶ -Methylguanine DNA- methyltransferase expression in T98G glioma cells
P104	Saida Sayyed	Unraveling the Timeline: Neuronal and Skin Regeneration Dynamics After Injury in Zebrafish
P105	Sakesh Kumar	Understanding the Role of Dopamine Receptor D5 (DRD5) modulator in Working Memory and Cognitive Functions
P106	Sakshi Nalkande	Agmatine-NPY interplay in Paraventricular Nuclei regulates Pubertal Endocrine Physiology
P107	Sakshi Sharma	Comparative ethological analysis of behavior in healthy male and female Wistar rats on Elevated Plus Maze
P108	Samiya Zehra	Sub-acute metabolic markers of repetitive mild head injury rat model
P109	Sana Sarkar	Metabolic rewiring during neuronal differentiation and its interplay with toxicant-induced epigenetic alterations
P110	Sandhya G	Exploring the Relationship of Hyper-homocysteinemia with Executive Functioning in Older Adults
P111	Sangam Barnwal	Development of Novel therapeutics for mitigation of Burn injury-induced Chronic pain
P112	Sangita Paul	Cyclin-Dependent Kinase 5 mediated phosphorylation of cytosolic phospholipase A2 regulates its activity and neuroinflammation in Parkinson's Disease
P113	Nilbhai Sanjaybhai Patil	Small Organism, Big Hope: Secondary metabolites from Dictyostelium discoideum as innovative interventions for Alzheimer's disease
P114	Shalini Raik	Cell-free therapy against neurodegeneration as a double-edged sword of extracellular vesicles and organelles
P115	Sharmili Mitra	Exploring the role of Imagery Rescripting and Imaginal Extinction in Reducing Generalized Threat Expectancies
P116	Sharon Mariam Abraham	Scintillating effects of Vitamin D3 in combating the neuropsychiatric symptoms of schizophrenia
P117	Shekhar Singh	"Withania somnifera Mediated Microtubule Stabilization: A Novel Approach for Parkinson's Disease Treatment"
P118	Shweta	Analysis of Tmem119 for its possible involvement in microglia functions
P119	Siddharth Gusain	Development of small molecules as potential mutant SOD-1 aggregation inhibitors for the amelioration of Amyotrophic lateral sclerosis
P120	Smriti Mishra	Identification and association of genetic factors: a cohort study of Post- Stroke Depression among eastern Indian population
P121	Sneha Manjunath	Mouse Brain Dev: Decoding Developmental Neurobiology through Integrated Multi-Omics Analyses
P122	Somya Asthana	Dopamine controls neuronal iron release by regulating ferroportin
P123	Sonali Kumar	Deregulated expression of HDAC4 and an insight into its interaction with a non-histone substrate in temporal lobe epilepsy
P124	Sonam Deshwal	Comparative evaluation of LXR modulators in STZ induced sAD rat model
P125	Soni Tiwari	STAT3 is a critical mediator of diabetes-linked exacerbation of neurovascular dysfunction and cognitive impairment in Alzheimer's disease
P126	Sonia Joshi	Effects of Methyl Cinnamate on GMR-AP42 D. melanogaster larvae
P127	Soujanya Vinayagamurthy	Role of extra-telomeric TRF2 in Neural stemness
P128	Sreyashi Chandra	Neurodevelopmental Defects in The Hippocampus Caused by Prenatal Exposure to Valproic Acid
P129	Sunidhi Sharma	Effect of 12 weeks of combined approach on frequency domain parameters of heart rate variability among major depressive disorder population
P130	Surya Suresh	Does Presenilin 1 have a role in Neural Stem Cell quiescence?
P131	Sushma Dagar	Investigations on the functional status of regulated exocytosis in obesity- associated metabolic stress
P132	Sushma Singh	Molecular Docking and Simulation studies for identifying binding affinity of flavonoids for α7nAChR for the Treatment of Alzheimer's Disease
P133	Sushmita Rajkhowa	NLRP3 and NLRP12 play distinct cell-specific roles in Innate Immune Cross-talk in Glioblastoma Pathophysiology
P134	Swagatama Mukherjee	Regulation of Drug resistance and epithelial-mesenchymal transition: Role of Extracellular Vesicles and implications for glioblastoma tumour progression
P135	Swasti Sukanya	Role of Dopaminergic neurotransmission in the expression of key foraging regulatory molecules and structural plasticity in Apis mellifera
P136	Swathi M	Investigating the impact of <i>MedhyaRasayana</i> on modifying behavioral and metabolomic alterations in mouse model
P137	Vaibhav Ambadas Sabale	Glutamatergic neuronal innervation from superior colliculus to hippocampal area regulates reward related memory in rats
P138	Vani Vakode	Effect of Colored lights on performance in Digit Span tasks in healthy individuals
P139	Venkidesh B S	Pelvic irradiation-induced brain damage through gut dysbiosis in a rat model
P140	Vishal Rajesh Lolam	Loss of <i>NF1</i> results in cortical malformations, hydrocephalus, and motor deficits in mousemodel
P141	Vishal Vikram Singh	LC-MS/MS based approach to study the altered brain proteome in aging rat due to Minimal Hepatic Encephalopathy
P142	Yogesh Sahu	Transcriptional Control of Mammalian Axon Regeneration-Role of Nuclear Receptors (NR) Family of Transcription factors
P143	Zubin Singh Rana	GluN2B NMDA subtype impairs long-term depression in an <i>in vitro</i> epilepsy model
P144	Siddhi S. Bangale	Neurocandidiasis: Possible role of brain macrophages in eliminating <i>Candida albicans</i> infections
P145	Faizah Ansari	A high-throughput assay to study social interaction in <i>Drosophila</i>
P146	Monalisa Ghosh	Regulation of Social isolation-mediated sleep by dopaminergic neurons and epigenetic modulators in <i>Drosophila melanogaster</i>
P147	Poornashree Bajpai	Nerve Agent Induced Brain Damage: Comparative Efficacy Analysis of Midazolam and Diazepam Treatment in Mice
P148	Rohit Kabidayal	Benzodiazepine drugs: A comparative neurobehavioral study for better neuroprotective drug against nerve agent toxicity
P149	Riddhesh Ahire	Effect of NDACi sodium valproate on the light-sensing ability of <i>Hydra viridissima</i>
P150	Sharavi Kulkarni	Orexine expressing cells in cerebellum are involved in goal-directed behaviour to seek reward