

## Details of Ph.D. students with Title of Thesis

S.No.	Name of candidate	Date of Award	Title of the thesis
1	Harish V. Pai	14/8/2006	Drug biotransformation pathways mediated by brain specific cytochrome P450
2	Rajappa S.Kenchappa	14/8/2006	Mitochondrial dysfunction and protein thiol Homeostasis in neurodegeneration
3	Latha Diwakar	14/8/2006	Gender related difference in pathogenesis of neurodegenerative disorder: role of mitochondrial dysfunction and protein thiol homeostasis
4	Kommaddi Reddy Peera	30/1/2009	Study on Cytochrome P450 enzymes in Human Brain
5	Rashmi Mishra	30/01/2009	Novel functions of GAP-43 in CNS morphogenesis
6	Supriya Ray	30/1/2009	The control of sequential eye movements
7	Priyanka Dikshit	27/4/2009	Role of Ubiquitin Protein Ligases and Proteasome inhibitors in the Pathogenesis of Polyglutamine Diseases
8	Anand Goswami	27/4/2009	Understanding the role of Oxidative stress, ER stress response and transcriptional deregulation of NF-KB in the cellular model of Huntington's Disease
9	Sandeep Kumar	27/4/2009	Understanding the molecular mechanism of photoreceptor-specific gene regulation in retina
10	Amit Kumar Mishra	27/4/2009	Understanding the molecular function of E6-AP-a putative E3 ubiquitin ligase mutated in Angelman mental retardation Syndrome
11	Smitha Karunakaran	27/4/2009	Cell death mechanisms in Parkinson's Disease
12	Manoj Kumar	26/7/2012	Neuronal differentiation and subtype specification in embryonic stem cells
13	Latika Singh	26/7/2012	Development of articulatory features in children

S.No.	Name of candidate	Date of Award	Title of the thesis
14	Mamata Mishra	26/7/2012	Understanding Molecular Basis of HIV-1 Tat-Induced Complications in Human Fetal Brain Cells
15	Khundrakpam Budhachandra Singh	26/7/2012	A Generalized Tensor Approach to Brain Imaging
16	Manoj Kumar Mishra	26/7/2012	To study the aberrant glial response in Japanese Encephalitis: from molecular mechanism to therapeutic intervention
17	Shailesh Kumar Gupta	26/7/2012	Role of GAP-43 in centrosome orientation in mouse cerebellar granule neurons
18	Uzma Saeed	26/7/2012	Role of glutaredoxin as a redox modulator and elucidation of cell death mechanism triggered by MPTP
19	Nazia Khurshid	26/7/2012	Role of Opioid System in Behaviour and Cell Proliferation in Adult Male Zebra finches ( <i>Taenopygia guttata</i> )
20	Alok Gupta	26/7/2012	Evaluation of molecular basis underlying the efficacy of <i>Withania somnifera</i> extract in reversing the behavioural deficit and alleviating the pathological symptoms in mouse models (APPSWE-PsdE9, APPSWE-IND) of Alzheimer's disease
21	Sulagna Das	26/7/2012	Modulation of the fate of neural stem/progenitor cells in japanese encephalitis: Implications in viral neuropathogenesis
22	Shashank Tandon	26/7/2012	Reorganization of the sensorimotor cortex following partial spinal cord injuries
23	Vivek Sharma	26/7/2012	Inflammation in Glioblastoma: Implications for Therapy
24	Varsha Agarwal	26/7/2012	Identification and functional characterization of brain specific cytochrome P450 enzymes
25	Manisha Chugh	26/7/2012	Influence of lesions of motor cortex on somatosensory function
26	Ziauddin	26/7/2012	Influence of cortical injuries on somatosensory function
27	Shalaka Ajit Mulherkar	26/7/2012	Characterization of Motor Deficits in a mouse model of angelman syndrome:

S.No.	Name of candidate	Date of Award	Title of the thesis
28	Nitin Koul (	26/7/2012	Understanding the implications of insulin-like growth factor (IGF-1) induced signaling in Glioblastoma
29	Tanusree Das	26/7/2012	Cortical Reading Networks in Hindi-English Biscryptals
30	Richa Tewari	26/7/2012	STUDY OF ABERRANT, PRO-SURVIVAL CELLULAR SIGNALING CASCADES IN GLIOBLASTOMA: IMPLICATIONS IN THERAPEUTICS
31	Arjun R	26/7/2012	Voluntary Control Of Saccadic Eye Movement Planning
32	Chinmoyee Maharana	26/09/2012	Activity-Dependent Posttranslational Modifications of Proteins: Implications for Synaptic Plasticity and Memory
33	Parthiv Haldipur	26/09/2012	The Role of Sonic Hedgehog signaling in the proliferation and differentiation of cerebellar granule cell progenitors
34	Jai Prakash Sharma	26/09/2012	Identification and characterization of substrates of Malin, an E3 Ligase Mutated in Lafora Progressive Myoclonus Epilepsy
35	Sudheendra Rao N R	21/12/2012	Protein aggregation, sequestration and ubiquitin proteasome system dysfunction in the pathogenesis of Lafora disease
36	D. Lalitha	27/12/2012	Redox signaling mechanisms and altered gene expression mediated by dopaminergic neurotoxin, MPTP : Implications in Parkinson's disease
37	Deepak Kumar Kaushik	23/05/2013	TO STUDY THE MOLECULAR MECHANISMS OF NEUROINFLAMMATION: ROLE OF KRÜPPEL LIKE FACTOR 4 AND NLRP3 INFLAMMASOME IN MICROGLIAL ACTIVATION
38	Neha Sehgal	24/06/2013	Discovery, development of drugs for Alzheimer's disease, neuroinflammation and elucidating their molecular mechanism of action
39	Leslee L	28/11/2013	Information processing in the hand representation of primary somatosensory area
40	Rupali Srivastava	20/12/2013	Conditional Math1 over-expression in mouse embryonic stem cells specifies the cerebellar granule neuron identity
41	Neha Bhutani	08/01/2014	Temporal control of sequential eye movements: evidence from behavioral psychophysics, Parkinson's disease patients and pharmacological inactivation in monkeys

S.No.	Name of candidate	Date of Award	Title of the thesis
42	Niranjan A. Kambi	16/4/2014	Extent and Mechanisms of Plasticity in the Somatomotor Cortex following partial spinal cord injuries in monkeys
43	G. Swetha Kameshwari	01/05/2014	Elucidating importance of coactivator role of Ube3a and glucocorticoid signaling in the pathogenesis of Angelman Syndrome
44	Megha Maheshwari	01/05/2014	Role of Ube3a and heat shock factor-1 in progression of Huntington's disease
45	Arshed Nazmi	05/05/2014	Role of Pattern Recognition Receptors in the pathogenesis of Japanese Encephalitis and Novel Therapeutic Strategies
46	Megha Sharda	02/06/2014	Auditory Processing in Autism Spectrum Disorders
47	Varsha Jain	22/7/2014	Brn3-Expressing Retinal Ganglion Cells and Their Role in Vision
48	K. M. Sharika	21/8/2014	Contextual control in the planning of sequential saccades
49	Deobrat Dixit	10/11/2014	Study of Signaling and Transcriptional networks underlying resistance to apoptosis in Glioblastoma
50	Shaily Malik	31/12/2014	Cellular and Molecular Events during HIV-1 and Drug Abuse Co-morbidity
51	Kiran	31/12/2014	Protein Modifications: Relevance to Synaptic Plasticity and Memory
52	Shilpa Mishra Shukla	08/01/2015	Neuroprotection against Amyloid Beta-Induced Toxicity and effects of Amyloid Beta on Growth Factor Signaling
53	Pankaj Sadashiv Ghate	06/04/2015	Development of a Novel Cellular Model of Alzheimer's Disease Utilizing Neurosphere Cultures and Alteration of p75 <sup>NTR</sup> , DR6 Expression and RIP1 Proteolysis in B6C3-Tg (APP <sup>swe</sup> ,PSEN1 <sup>dE9</sup> ) Mouse Brain
54	Subhadip Paul	05/06/2015	Higher Order Diffusion Tensor Imaging and Stochastic Perturbation Response in Brain Tumour
55	Sadashib Ghosh	10/06/2015	Regulation of Major Histocompatibility Complex Class I in glioblastoma: Role of hypoxia inducible factor-1 $\alpha$

S.No.	Name of candidate	Date of Award	Title of the thesis
56	Ruchi Ghildiyal	03/08/2015	Study of IFN $\gamma$ -associated signalling and metabolic adaptations in glioblastoma: Implications for therapy
57	Mohammed Hisham P.M	03/09/2015	Organization of the Rat Motor Cortex: Insights from Thalamic and Cortical Afferents
58	Rahul Chaudhary	12/10/2015	Effects of chronic and acute injuries on brain functions
59	Manvi Goel	09/11/2015	Role of Müller glial cells in retinal degeneration
60	Ajit Ray	03/12/2015	The role of redox modifications of protein thiols in the pathogenesis of neurodegenerative disorders
61	Atul Gopal P.A	12/02/2016	Computational Mechanisms of Eye-Hand Coordination
62	Piyushi Gupta	13/04/2016	1L-1 $\beta$ signalling in metabolic adaptation, survival and immune evasive responses in glioma
63	Sourish Ghosh	30/05/2016	Deciphering Mechanism of Neuronal Death in Chandipura Virus (CHPV) infection : from Molecules to Network
64	Sarika Cherodath	08/07/2016	Neural mechanisms of reading in Hindi-English biliterate children
65	Manju Tewari	11/08/2016	Role of ligand gated purinergic receptor P2X7R in HIV-1 Neuropathogenesis
66	Suhela Kapoor	06/09/2016	A Computational Systems Biology Approach to the Performance Optimization of Cell Population Dynamics : Implication for Cerebrovascular and Neuro-oncological Disorders
67	Fahim Ahmad	05/12/2016	Telomere in Metabolic Programming and Survival Responses in Glioblastoma Multiforme
68	Mahar Fatima	09/02/2017	Cellular Mechanisms Contributing to HIV-1-Associated Neurocognitive Disorders
69	Kaushik Pramod Sharma	21/03/2017	Mechanisms of synaptic plasticity in the hippocampus

S.No.	Name of candidate	Date of Award	Title of the thesis
70	Deepak Poria	22/03/2017	Understanding Signal Processing in Inner Retina after Photoreceptor Degeneration
71	Priyabrata Halder	12/05/2017	Mechanisms of plasticity of somatosensory pathway after spinal cord injuries in macaque monkeys
72	Himakshi	27/07/2017	Curcumin-Mediated Induction of Proapoptotic Bax Genes is Associated with Apoptosis in Mouse Neuro 2a Neuroblastoma Cells and Involves Activation of p53
73	Imran Jamal	01/09/2017	Effect of environmental enrichment and histone deacetylase inhibitors on mouse model of angelman syndrome
74	Avantika Mathur	18/01/2018	Characterising the Emotions Experienced by North Indian Classical Ragas – Behaviour and Neuroimaging Study
75	Pushpa Kumari	19/02/2018	Regulatory mechanism of synapse formation by non-canonical function of Ubiquitination
76	Brijesh Kumar Singh	16/04/2018	Understanding the Role of Ube3a in Progression of Alzheimer's Disease Using APP <sup>swe</sup> /PS1 <sup>E9</sup> Mouse Model
77	Shalini Swaroop	04/10/2018	Deciphering the underlying mechanism of 1L-1 $\beta$ induced microglial activation : regulatory role of HSP60 in neuroinflammation
78	Abhishek Kumar Verma	25/10/2018	Inflammation Induced Neurodegeneration in Chandipura Virus Infection: From Molecular Mechanism to Therapeutic Intervention
79	Reshma Bhagat	08/08/2019	Role of non-coding RNAs in Zika Virus-mediated neuropathogenesis
80	G Vinodh Kumar	27/08/2019	Large-scale neural dynamics of cross-modal speech perception
81	Bharat Prajapati	11/09/2019	Identification of Association between Genetic Variants and Behavioural Profiles in Indian Population affected with Dyslexia
82	Naman Vatsa	19/09/2019	Dysregulated expression of microRNA-708 and its role in pathogenesis of Angelman Syndrome
83	Shashi Shekhar Kumar	15/06/2020	Neuroprotective role of Ube3a in a cell and an animal model of Huntington's disease

S.No.	Name of candidate	Date of Award	Title of the thesis
84	Vikas Pareek	02/09/2020	MRI diffusion analysis during brain restructuring across ageing and neoplastic processes
85	Touseef Ahmad Sheikh	30/09/2020	Interplay of metabolic and inflammatory pathways in regulating cellular responses in Glioblastoma Multiforme
86	Kautuk Kamboj	29/10/2020	ERK Activation and growth factor signaling : relevance for synaptic plasticity and memory