| 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 |
| 14 | Mamata Mishra | 26/7/2012 | Understanding Molecular Basis of HIV-1 Tat-Induced Complications in Human Fetal Brain Cells |
| 15 | Khundrakpam Budhacha | 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 |

| S.No. | Name of candidate | Date of Award | Title of the thesis |
|---|---|---|---|
| 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 (Taenopygia guttata) |
| 20 | Alok Gupta | 26/7/2012 | Evaluation of molecular basis underlying the efficacy of Withania somnifera 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: |
| 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 Biscriptals |
| 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 Modificationsof 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 substratesof 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 |

| S.No. | Name of candidate | Date of Award | Title of the thesis |
|---|---|---|---|
| 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 acti |
| 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, Parkinsion's disease patients and pharmacological inactivation in monkeys |
| 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 p75NTR, DR6 Expression and RIP1 Proteolysis in B6C3-Tg (APPswe,PSEN1dE9) Mouse Brain |

| S.No. | Name of candidate | Date of Award | Title of the thesis |
|---|---|---|---|
| 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-1α |
| 56 | Ruchi Ghildiyal | 03/08/2015 | Study of IFNγ-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-1β 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 |
| 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 |

| S.No. | Name of candidate | Date of Award | Title of the thesis |
|---|---|---|---|
| 72 | Himakshi | 27/07/2017 | Curcumin-Mediated Induction of Proapoptotic Bex 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 APPswe/PS1δE9 Mouse Model |
| 77 | Shalini Swaroop | 04/10/2018 | Deciphering the underlying mechanism of 1L-1β 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 Interventi |
| 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 |
| 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 |
| 87 | Mr. Vipendra Kumar | 04/12/2020 | Regulation of HDAC1/2 activity by Ube3a Implication in Angelman syndrome |
| 88 | Mr. Pruthvi SG | 23/12/2020 | Influence of dysregulated metabolism on genes associated with immune-evasion and cellular circadian rhythm in glioma |
| 89 | Mr. Tushar Arora | 18/01/2021 | Insulin-like Growth Factor-1 derived peptides : Implications for down syndrome and Alzheimer's disease |