

Ph.D Degrees Awarded - 2019

Name of the PhD Scholar	Dept/ Center	Name of the guide/s	Title of the thesis	Date of registration of the scholar	Degrees Awarded
Abhirup Ghosh	ICTS	Ajith Parameswaran	Testing general relativity using observations of gravitational waves from the inspiral, merger and ringdown of binary black holes	21/07/2015	2019
Ajoy Aloysius	NCBS	Sudhir Krishna /Jyotsna Dhawan	Dissecting the role of the Wnt pathway in muscle stem cell quiescence : identification of transcriptional cross talk with the TGF- β pathway	28/01/2015	2019
Alok Javali	NCBS	Vatsala Tirumalai	Mechanisms underlying fate choice in neuromesodermal progenitors and cranial neural crest	03/07/2015	2019
Amit K. Singh	NCBS	Madan Rao	Fluctuation, Confinement, and Hydrodynamic Interactions: Stochastic Dynamics of Inclusions in Cells and Tissues	07/07/2014	2019
Amit R. Dhakulkar	HBCSE	Nagarjuna G.	Graphicacy issues in school textbooks and designing learning contexts to address them	05/05/2009	2019
Ananya Rakshit	DCS	Ankona Datta	Development of Mixed N, O Donor Ligands for In Vivo Metal Ion Chelation and Sensing	08/05/2014	2019
Anju Yadav	DCS	Koti A. S. R.	Mechanistic insights into the protein-metal and protein-protein interactions of β -rich globular proteins	04/04/2014	2019
Ankita Das	DCS	Jyotishman Dasgupta	Organic Photocatalysis inside Water-soluble Supramolecular Cages	05/01/2015	2019
Anupam Mondal	Maths-Mumbai	Amitava Bhattacharya	On Critical Independent Sets and Matchings in a Graph & a Problem of Covering the Plane by Discs	23/07/2015	2019
Archak Purkayastha	ICTS	Abhishek Dhar	Transport in open quantum systems	27/03/2015	2019
Aritra Kundu	ICTS	Abhishek Dhar	Analytically tractable models of one-dimensional anomalous heat transport	27/03/2015	2019
Ashish Shukla	DTP	Sandip Trivedi	Symmetry constraints in single field models of inflation	26/08/2014	2019
Barun Kumar Maity	DCS	Sudipta Maiti	Conformation, dynamics and cellular interaction of amyloid peptides	29/05/2015	2019
Calvin Steve Rodrigues	NCBS	Sudhir Krishna	Low SUV39H1 drives tumorigenic cell populations in cervical cancers	28/01/2015	2019
Chandranandan Gangopadhyay	Maths-Mumbai	Indranil Biswas	Quot Schemes and Semistable Vector Bundles	05/12/2016	2019
Chandroday Chattopadhyay	DNAP	Subrata Pal	Entropy production and thermal fluctuations in higher-order dissipative hydrodynamics	08/07/2015	2019
Clyde Savio Pinto	DBS	Mahendra Sonawane	Actin based apical membrane protrusions during epithelial development and in disease	08/08/2013	2019
Debabrata Dhara	TCIS	Anukul Jana	Syntheses and Reactivities of P-P, P-Si and N-Si Double Bonded Compounds	12/06/2015	2019

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Debdeep Mandal	TCIS	Anukul Jana	N-Substituted 1-Pyrrolinium Salts: Synthons for the Syntheses of Electron-Rich Olefins, Backbone Functionalized NHCs and Carbon Based Radicals	12/06/2015	2019
Deep Sarkar	DNAP	Ravindrakumar G.	Role of Nano and Micro-Structures in Intense, Femtosecond Laser-Solid Interaction	10/06/2015	2019
Disha Bhatia	DTP	Sreerup Raychaudhuri	Direct and Indirect probes of new Bosonic Physics at the large Hardron Collider	23/06/2014	2019
Divya Pathak	DBS	Roop Mallik	Lipid Microdomains in Phagosome Maturation and Cargo Transport	05/08/2015	2019
Ganga Prasath S	ICTS	Rama Govindarajan Narayanan Menon	Mechanics of Filaments and Spherical Particles: role of elasticity and hydrodynamic interaction	02/09/2015	2019
Geetanjali Date	HBCSE	Sanjay Chandrasekharan	Solving for Pattern : An operational-level model to redesign engineering education for sustainability	26/12/2014	2019
Giselle Maria Fernandes	NCBS	Sumantra Chattarji	Synaptic defects and their reversal in the amygdala : implications for stress and autism spectrum disorders	09/07/2012	2019
Jishnu Bhattacharya	DAA	Shravan Hanasoge	Consistent seismic imaging of convective flows in the Sun	01/05/2015	2019
Kruttika Anirudha Phalnikar	NCBS	Deepa Agashe	Understanding the diversity and fitness impacts of bacterial communities associated with butterflies	07/07/2014	2019
Lavneet Janagal	DTP	Shiraz Minwalla	Some Aspects of Field Theory	11/08/2016	2019
Mahak Dhiman	DCS	Vivek Polshettiwar	Design of Nanocatalysts and Plasmonic Nano-Heaters Using Dendritic Fibrous Nano-Silica	28/10/2015	2019
Manibrata Sen	DTP	Amol Dighe /Basudeb Dasgupta	New Aspects of Supernova Neutrino Flavor Conversions : In the Standard Model and Beyond	15/04/2015	2019
Meenakshi Shankar Iyer	NCBS	Sowdhamini R.	Systematic accumulation of homologues of protein structural domains and analysis of protein domain architecture and taxonomic distribution	10/02/2016	2019
Moniruzzaman Shaikh	DNAP	Ravindrakumar G.	Dynamics of Intense, Ultrashort, Relativistic Electron Pulses in a Solid	15/01/2015	2019
Mrudula Sunil Sane	NCBS	Deepa Agashe	The Fitness Effects of Mutations in Bacteria	28/01/2015	2019
Nikhil S. Mande	STCS	Arkadev Chattopadhyay	Communication Complexity of XOR Functions	27/03/2015	2019
Parul Sood	DBS	Sandhya Koushika	Investigation of the behavior of vesicular cargo and its regulation across complex and crowded niches in the neuron	26/03/2015	2019
Prachi Srikanth Thatte	NCBS	Uma Radhakrishnan	Multi-species connectivity in a fragmented landscape: theoretical predictions, empirical investigation and future simulations	07/07/2014	2019

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Prashantkumar Navalbhai Jethva	NCBS	Jayant Udgaonkar	Modulation of Protein Stability and Folding Cooperativity by Cosolvents	07/07/2014	2019
Preethi Ravi	NCBS	Gaiti Hasan	Molecular and cellular components underlying dopaminergic regulation of flight in <i>Drosophila melanogaster</i>	18/07/2013	2019
Ritam Sinha	DTP	Gautam Mandal	Thermalization in Pure States and Black Holes	30/04/2014	2019
Rohit Chandrakant Suratekar	NCBS	Sandeep Krishna	Understanding structure and dynamics of the <i>Drosophila</i> PI(4,5)P2 cycle using mathematical models	07/07/2014	2019
Rohit Sharma	NCRA	Divya Oberoi	Study of Weak Solar Emission Features at Low Radio Frequencies	03/02/2015	2019
Ronak M. Soni	DTP	Sandip Trivedi	Entanglement in Gauge Theories	24/07/2015	2019
Rustam Singh	DCS	Vivek Polshettiwar	Dendritic Fibrous Nanosilica Coated by Titanium Dioxide for Morphology Controlled Photocatalysis	08/05/2014	2019
Sampat Kumar Sharma	Maths-Mumbai	Ravi Rao	On the Bass, Suslin Conjecture	29/07/2016	2019
Sarath Sankar	DTP	Vikram Tripathi	Studies of number-phase fluctuation effects in strongly correlated inhomogeneous conductors	31/07/2015	2019
Sayantani Bera	DAA	Singh T. P.	Spontaneous Localization of the Wavefunction, and Gravity	01/05/2015	2019
Shamik Bhattacharjee	DNAP	Lokesh Tribedi	Ionization in HCl collisions with molecules of biological relevance water and adenine	27/01/2015	2019
Shaunak Deota	DBS	Ullas Kolthur	Role of NAD dependent deacetylase SIRT1 in regulating physiology and cell cycle progression	27/08/2015	2019
Sheroy Shyamak Tata	DNAP	Krishnamurthy M.	Ion acceleration and recombination dynamics in intense laser plasma interaction	08/07/2014	2019
Shreya Banerjee	DAA	Singh T. P.	Cosmic Acceleration : Problems and Possible Solutions	01/05/2015	2019
Snehal Dilip Karpe	NCBS	Sowdhamini R.	Deciphering odor affinities of olfactory receptors through genome-wide survey, molecular modeling and docking studies	04/02/2014	2019
Steffy B. Manjila	NCBS	Gaiti Hasan	Central monoaminergic circuits that regulate flight in <i>Drosophila melanogaster</i>	10/02/2016	2019
Subhajit Mazumdar	DTP	Shiraz Minwalla	Black Holes in Large D and Scattering in N=1 Susy Matter Chern Simons Theories	18/07/2014	2019
Sudip Ghosh	ICTS	Suvrat Raju	Strings, Black Holes and Quantum Information	28/06/2016	2019
Suranjana Pal	DBS	Shubha Tole	Genetic mechanisms regulating the specification and connectivity of the thalamus and the cortex	31/08/2015	2019
Tanay Roy	DCMPMS	Vijayaraghavan R.	Multimode Superconducting Circuits as Building Blocks for a Programmable Quantum Processor	01/10/2013	2019
Vikas Chand	DAA	Rao A. R. /Sudip Bhattacharya	Spectro-polarimetry of Gamma Ray Bursts	22/04/2015	2019

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Viola Caroline D'Mello	DCS	Sanjay Wategaonkar	N-H...N Hydrogen Bonded Complexes of Benzimidazole and Indole: Excited and cationic State Characterisation and Proton Transfer Energetics and Dynamics	28/08/2015	2019
Vishaka Datta	NCBS	Sandeep Krishna	Inferring Protein-DNA Binding Events Using CHIP-seq Read Counts	07/07/2014	2019
Vishvesh Tadsare	DNAP	Krishnakumar E. /Vaibhav Prabhudesai	Dissociative electron attachment to organic molecules	22/11/2012	2019
Vivek Kumar Rai	Maths-Mumbai	Eknath Ghatge	Reductions of Galois representations at exceptional weights	04/10/2016	2019
Yadugiri V.T.	NCBS	Mahesh Sankaran	Plant-Arbuscular Mycorrhizal Fungal Partnerships - Biotic and Abiotic Controls and Ecosystem Roles	28/01/2013	2019
Yogesh Bansidhar Dandekar	DTP	Shiraz Minwalla	Membrane Gravity Correspondence	01/07/2015	2019