

Ph.D Degrees Awarded - 2015

Name of the PhD Scholar	Dept/ Center	Name of the guide/s	Title of the thesis	Date of registration of the scholar	Degrees Awarded
Abhishek Singh	DCMPMS	Prabhu S.S.	Terahertz Spectroscopy: Generation, detection studies of materials and new antenna designs using SI-GaAs	30/12/2011	2015
Aditi Bhattacharjee	DCS	Sanjay Wategaonkar	The Role of CH and SH Groups as Hydrogen Bond Donors in Stabilizing Molecular Complexes	26/08/2010	2015
Aditya Gilra	NCBS	Upinder Bhalla	Olfactory bulb model predicts connectivity and coding roles of interneurons	08/07/2010	2015
Amlan Mukherjee	DCMPMS	Sandip Ghosh	Optical spectroscopic studies on semiconductor nanostructures	31/12/2009	2015
Anand P. Sawant	Maths-Mumbai	Srinivas V.	A1-connected components of schemes	25/08/2011	2015
Ananta Kumar Majee	CAM	Imran Habib Biswas	Analytical and numerical study of stochastic balance laws driven by Levy white noise	01/05/2012	2015
Anirban Pal	DCMPMS	Pushan Ayyub	Optical, Structural, Magnetic and Ferroelectric Properties of One Dimensional Solids and Nanorod Aggregates	18/11/2010	2015
Anjan Gupta	Maths-Mumbai	Ravi Rao	Structures over commutative rings	06/08/2010	2015
Anjani Kumar Tiwari	DNAP	Sushil Mujumdar	Coherent random lasing in a disordered array of amplifying microresonators	03/09/2010	2015
Ankush Agarwal	STCS	Sandeep Juneja	Monte Carlo based Methods for Pricing American Options	11/05/2012	2015
Anupam Pal Choudhary	CAM	Joseph K.T.	Distribution Solutions for some Nonconservative Systems	01/05/2012	2015
Anuradha Gupta	DAA	Gopakumar Achamveedu	Probing inspiral dynamics of spinning compact binaries	08/12/2011	2015
Arindam Bose	HBCSE	Subramaniam K.	Work, Knowledge and Identity: Implications for school learning of out-of-school mathematical knowledge	05/05/2010	2015
Arnab Jyoti DasGupta	CAM	Vasudevamurthy A. S.	On some linear PDEs arising in Sea Breeze theory	09/03/2011	2015
Bhakti Bhushan Manna	CAM	Shrikanth P. N.	Studies On a Class of Singularly Perturbed Elliptic Problems for Orbit Concentrations and On a Resonance Problem with Exponential Nonlinearity for Existence	01/05/2012	2015
Bidyut Sarkar	DCS	Sudipta Maiti	Biophysical mechanisms underlying the pathology of protein aggregation diseases	16/02/2010	2015
Bikash Chandra Choudhary	NCBS	Sandhya P. Koushika	A Novel Role for UNC-16(JIP3) with LRK-1 and UNC-101 in Trafficking of Synaptic Vesicle Precursors from Neuronal Cell Bodies of C.elegans	01/04/2008	2015
Chitra P.	NCBS	Sudhir Krishna	Partially differentiated progenitors in cervical pre-cancers are linked to the HPV life cycle and have neoplastic traits	30/07/2009	2015
Deepak Kumar	DCMPMS	Shankar Ghosh	Friction Induced Organisation	11/11/2011	2015

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Devika Sharma	Maths-Mumbai	Eknath Ghate	Local behaviour of Galois representations attached to ordinary modular forms	17/12/2012	2015
Dipankar Nath	DHEP	Unnikrishnan C. S.	Sub-Doppler cooling of 39K atoms in three-level gray molasses with Raman dark state	18/08/2011	2015
Gourab Chaterjee	DNAP	Ravindrakumar G.	Giant Magnetic Fields with Intense Lasers	08/02/2011	2015
Indrani Chakraborty	DCMPMS	Pushan Ayyub	Emergent Properties in Nanorod Arrays and Stabilization of Novel Crystallographic Phases in Nanorods and Films	14/09/2010	2015
Jasmine Sethi	DNAP	Rudrajyot Palit	Structure of odd-odd nuclei in A ~ 110 region	04/10/2011	2015
Karthyek Rajhaa Annaswamy Murthy	STCS	Sandeep Juneja	Rare Events in Heavy-Tailed Stochastic Systems: Algorithms and Analysis	31/01/2013	2015
Kiran Lakhchaura	DAA	Singh K.P.	Intracluster medium of Clusters of galaxies with substructures	03/02/2011	2015
Krishnendu Kundu	DCS	Ranjan Das	Investigation of unusual electron spin relaxation mechanisms of some common organic radicals	15/05/2009	2015
Kshitiz Kumar Mallick	DAA	Devendra Ojha	Young Stellar Clusters in Galactic HII Regions: A Multiwavelength Analysis	30/08/2011	2015
Manoneeta Chakraborty	DAA	Sudip Bhattacharya	Probing accreting neutron stars using thermonuclear X ray bursts	26/08/2011	2015
Mashood K. K.	HBCSE	Vijay Singh	Development and evaluation of a concept inventory in rotational kinematics	23/11/2009	2015
Monica Nagendran	DBS	Mahendra Sonawane	Regulation of epithelial patterning by canonical Wnt and BMP Signalling in zebrafish appendages	28/09/2010	2015
Narendra Patra	NCRA	Jayaram N. Chengalur	The Interstellar Medium of Dwarf Galaxies	21/02/2011	2015
Naveen Yadav	DAA	Alak Ray	Massive Stars : Their Life & Death	14/11/2011	2015
Nilay Kundu	DTP	Sandip Trivedi	A Study of Symmetries and Phases in Gravity with Application to Holography and Cosmology	23/09/2011	2015
Pranab Kumar Das	DCMPMS	Thamizhavel A.	Crystal growth and anisotropic magnetic properties of Ce and Pr based binary intermetallic compounds	25/02/2011	2015
Prashant Kumar Singh	DNAP	Ravindrakumar G.	Study of Generation and Transport of Fast Electrons in Intense Femtosecond Laser-Solid Interactions	08/02/2011	2015
Priti Gupta	DCMPMS	Arnab Bhattacharya	Epitaxial growth of III-nitride semiconductors on layered materials	14/05/2012	2015
Priti Mishra	DAA	Singh T. P.	Modified Gravity Models and Inhomogeneous Models as Alternatives to Dark Matter and Dark Energy	13/04/2011	2015

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Pushpa Mishra	DCS	Hosur R.V.	Biophysical and Biochemical Studies on Structural Characteristics of Plasmodium falciparum P2	31/03/2011	2015
Rahul S. Dandekar	DTP	Deepak Dhar	Studies in Non-equilibrium Statistical Physics: Pattern Formation and Absorbing Phase Transitions	24/06/2011	2015
Ravitej Uppu	DNAP	Sushil Mujumdar	Statistical characterization and control of emission from random lasers	01/02/2011	2015
Sagnik Chakraborty	Maths-Mumbai	Gurjar R.V.	A Study of Pure Subrings and Factorially closed Subrings of Commutative Rings	22/08/2012	2015
Saikat Nandi	DNAP	Lokesh Tribedi	Collisions of Highly Charged Ions with Small Molecules: Some New Facets	06/05/2011	2015
Sambuddha Sanyal	DTP	Kedar Damle	Defects in low dimensional strongly correlated quantum systems	18/10/2010	2015
Sanmay Ganguly	DHEP	Manoranjan Guchait	Jet Cross-Section Measurements in CMS and Extraction of Strong Coupling Constant	11/08/2011	2015
Saranya Samik Ghosh	DHEP	Gobinda Majumder	Measurement of Muon Charge Asymmetry in Inclusive W Production at CMS	23/08/2011	2015
Satyabrata Sahu	DAA	Narasimha D.	Gravitational Lensing as a probe of Gravitation & Cosmology	25/05/2010	2015
Saurabh Sandilya	DHEP	Gagan Mohanty	Study of Bottomonium States in Radiative $\Upsilon(2S)$ Decays at Belle	28/11/2011	2015
Sonal Kedia	NCBS	Sumantra Chattarji	Fragile X Syndrome and the amygdala: Exploring therapeutic strategies	03/08/2009	2015
Sony Malhotra	NCBS	Sowdhamini R.	Repertoire of nucleic acid-binding proteins in whole genomes and specific investigation of protein-protein interaction of transcription factors	02/02/2011	2015
Souvik Roy	CAM	Vasudevamurthy A.S. /C. Praveen	Reconstruction of a class of fluid flows by variational methods and inversion of integral transforms in tomography	01/05/2012	2015
Sudarsan R.	DBS	Shobhona Sharma	Characterization of Regulation of Zoite-Surface Localization of Ribosomal Proteins PO and P2 in Plasmodium falciparum and Toxoplasma gondii	15/02/2011	2015
Sudipta Saha	DNAP	Rudrajyot Palit	Gamma-ray spectroscopy of high spin states in $^{88,89}\text{Zr}$	11/08/2011	2015
Suman Kalyan Guha	DBS	Shobhona Sharma	A study on the immune consequences of a non-cerebral mild malarial infection on the adult brain	23/05/2011	2015
Sumita Chakraborty	NCBS	Gaiti Hasan	Investigation of IP3-receptor function in neuronal Ca^{2+} signalling	02/02/2011	2015

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Sunaina Surana	NCBS	Yamuna Krishnan	A framework to apply DNA nanodevices to a multicellular model organism	02/02/2011	2015
Suruchi Sharma	NCBS	Yamuna Krishnan	Recognition and sensing of cAMP with nucleic acids	23/03/2009	2015
Tapan Shah	STCS	Onkar Dabeer	Signal Processing for Systems with Low Precision Quantization	23/12/2010	2015
Tarak N. Thakore	DHEP	Mondal N. K.	Physics Potential of the India-based Neutrino Observatory (INO)	18/08/2009	2015
Umesh Srinivasan	NCBS	Mahesh Sankaran	Demographic responses of understory bird species to human-induced habitat degradation in the eastern Himalaya	01/07/2011	2015
Vishal Bhardwaj	NCBS	Jayant Udgaonkar	Exploring the formation of inclusion bodies in mammalian cells	15/02/2008	2015