

Ph.D Degrees Awarded - 2013

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 Kumar	NCBS	Shivashankar G. V.	Emergence of Prestressed Nuclear Organization and its Dynamics	22/07/2009	2013
Achira Roy	DBS	Shubha Tole	Lhx2 is necessary for patterning the forebrain midline	28/07/2009	2013
Aditya N. Agnihotri	DNAP	Lokesh Tribedi	Interaction of Highly Charged Ions With Large Molecules	09/09/2009	2013
Amit Sharma	NCBS	Deepak Nair	Structural and Biochemical studies on the prokaryotic Y-family DNA Polymerases MsDpo4 and EcDpo4	04/02/2009	2013
Amrita Dasgupta	NCBS	Jayant Udgaonkar	Characterization of sub-millisecond intermediates detected during the refolding and unfolding of the SH3 domain of PI3 kinase	04/02/2009	2013
Anya Chaudhuri	DAA	Subhabrata Majumdar	Physical Modelling and Energetics of the Intracluster Medium and the Sunyaev-Zeldovich Effect	16/06/2009	2013
Aparna Sadananda	DBS	Krishanu Ray	Axonal transport of choline acetyltransferase (ChAT) in <i>Drosophila melanogaster</i>	15/05/2009	2013
Argha Banerjee	DTP	Kedar Damle	Computational Studies of Strongly Correlated Quantum Magnets	18/07/2008	2013
Arjun Sengupta	DCS	Sonawat H. M.	NMR Spectroscopic Investigation of Host Metabolic Response to Malarial Parasite Infection	15/02/2010	2013
Arnab Mitra	Maths-Mumbai	Dipendra Prasad	A study on symplectic period and integral formulas	24/03/2010	2013
Arpan K. Rai	DBS	Roop Mallik	Understanding Collective Force Generation in Intracellular Transport	27/08/2009	2013
Arunava Mukherjee	DAA	Sudip Bhattacharya	Timing and Spectral Studies of Low-mass X-ray Binaries Using RXTE PCA Data	07/05/2010	2013
Ashesh Kumar Dhawale	NCBS	Upinder Bhalla	Temporal and spatial features of sensory coding in the olfactory bulb and hippocampus	15/02/2008	2013
Ashwin Shankar Shetty	DBS	Shubha Tole	Lhx2 regulates multiple aspects of telencephalon development	10/04/2008	2013
Dhanya Parameshwaran	NCBS	Upinder Bhalla	Role of Network Activity in Neuronal Summation and Communication	01/10/2007	2013
Dhiraj Devidas Bhatia	NCBS	Yamuna Krishnan	Icosahedral DNA Nanocapsules for targeted functional bioimaging in cellulis and in vivo	23/03/2009	2013
Diptimoy Ghosh	DTP	Amol Dighe	Looking for new physics beyond the Standard Model through flavour transitions	16/06/2009	2013
Divya P. S.	NCBS	Sowdhamini R	Structure-Function Relationships and Computational Analysis of Myosins and Other Proteins Containing Coiled-coils	02/01/2008	2013

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Farhat Ara	HBCSE	Sugra Chunawala	Investigating Students', Teachers' and Designers' Ideas about Design and Developing Design Activities for Indian Middle School Students	25/03/2008	2013
Ganesh Adhikary	DCMPMS	Kalobaran Maiti	Spin density wave state and its influence on material properties	10/12/2008	2013
Gayatri Ramachandran	NCBS	Jayant Udgaonkar	Characterization of the Mechanism of Amyloid Fibril Formation by Tau	06/03/2009	2013
Harini Lakshminarasimhan	NCBS	Sumantra Chattarji	Molecular and behavioral correlates of stress induced plasticity in the amygdala	27/10/2006	2013
Ishier Raote	NCBS	Mitradas M. Panicker	Functional selectivity in serotonin receptor 2A (5-HT _{2A}) signalling	30/07/2009	2013
Jayanta Roy	NCRA	Yashwant Gupta	A software backend for the GMRT and its application to pulsar studies	11/01/2010	2013
K. Venkatesan Iyer	NCBS	Shivashankar G. V.	Functional Integration of Mechano-Signals to the Chromatin Organization in Living Cells	22/07/2009	2013
Kabir Ramola	DTP	Deepak Dhar	Onset of Order in Lattice Systems	04/03/2010	2013
Kusum Dhochak	DTP	Vikram Tripathi	Disorder and Magnetism in Two Dimensional Quantum Systems	21/01/2009	2013
Lakshmi Revathi Perumalsamy	NCBS	Apurva Sarin	Notch mediated cell survival: Spatial regulation of Notch activity underlies the activation of a non-canonical signalling cascade in mammalian cells	06/03/2009	2013
Madhavi Chand	DCMPMS	Pratap Raychaudhuri	Transport, magneto-transport and electron tunneling studies on disordered superconductors	10/03/2010	2013
Manas Ranjan Sahoo	CAM	Joseph K.T.	Vanishing viscosity approach to systems of conservation laws whose solutions contain measures and their derivatives	09/09/2010	2013
Mandar P. Patil	DAA	Pankaj Joshi	Ultra-high energy particle collisions in curved spacetime geometries	17/05/2010	2013
Meghana C.	DBS	Maitreyi Narasimha	Mechanisms of cell delamination induced by subcellular laser ablation during Drosophila dorsal closure	23/07/2009	2013
Mintu Mondal	DCMPMS	Pratap Raychaudhuri	Phase Fluctuations in a Conventional S-Wave Superconductor: Role of dimensionality and Disorder	18/02/2010	2013
Namrata Jayanth	NCBS	Mrinalini Puranik	Lesion Discrimination by the E.coli Repair Enzymes, AlkB and Formamidopyrimidine Glycosylase	22/07/2009	2013
Neeraj Kumar Goyal	DCMPMS	Dhar S.K.	Study of superconductivity and magnetism in correlated electron systems	21/11/2008	2013
Nilesh Aghera	NCBS	Jayant Udgaonkar	Studies of the folding and unfolding of monomeric and dimeric monellin	22/07/2009	2013
P. Prithvi Narayan	DTP	Sandip Trivedi	Phases in String Theory	22/01/2009	2013

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Partha Nag	DTP	Avinash Dhar	Aspects of chiral symmetry breaking in holographic QCD	15/09/2006	2013
Prakash Joti	DBS	Krishanu Ray	Genetic analysis of Dynein light chain 1 functions in spermatogonial division and differentiation in <i>Drosophila melanogaster</i>	12/09/2007	2013
Pranav S. Shirhatti	DCS	Sanjay Wategaonkar	Multifaceted nature of C-H...Y hydrogen bonds unravelled using laser spectroscopic techniques in gas phase	22/05/2007	2013
R. Dhanya	CAM	Prashant K. Shrinivasan	Existence, Multiplicity and Bifurcation Results for some Nonlinear Elliptic Problems	14/08/2008	2013
R. Rajeev	DNAP	Krishnamurthy M.	Novel Laser-driven particle Acceleration schemes and Dynamics beyond single Cluster explosions	23/07/2007	2013
Rajib Dutta	CAM	Karthik Adimurthi	Theory and Numerics For Scalar Conservation Laws with discontinuous Flux and Force Scheme for the Temple Class Systems of Conservation Laws	26/09/2008	2013
Ruchi Malik	NCBS	Sumantra Chattarji	Neurophysiological correlates of the contrasting effects of enriched environment on the hippocampus and amygdala	13/11/2006	2013
Sagar Kolte	Maths-Mumbai	R. V. Gurjar	On Fibrations of Genus 2 and on the Zariski-Lipman Conjecture	21/08/2009	2013
Sambit Roychowdhury	NCRA	Jayaram N. Chengalur	Atomic hydrogen and star formation in faint Star Forming Dwarf Galaxies	21/08/2008	2013
Sandeep Goyal	DCS	Shyamalava Mazumdar	Study of the effects of active site residues on the structure and functions of a thermostable cytochrome P450	17/02/2009	2013
Sandip Singh	Maths-Mumbai	Venkataramana T. N.	On the Arithmeticity of Certain Symplectic Hypergeometric Groups	12/08/2009	2013
Sanjay K. Singh	Maths-Mumbai	Usha Bhosle	Some Problems on the Moduli of Torsion Free Sheaves on Curves	13/08/2009	2013
Santanu Dey	STCS	Sandeep Juneja	Optimal Change of Measure for Model Selection and Efficient Simulation of Large Deviation Probabilities with Financial Applications	20/07/2010	2013
Saswata Sankar Sarkar	DCS	Krishnamoorthy G.	Structure and Dynamics of intermediate states on the unfolding pathway of a protein: Studies on Barstar	01/05/2009	2013
Sayan Chakraborti	DAA	Alak Ray	Feedback from Supernovae	30/11/2009	2013
Shamashis Sengupta	DCMPMS	Mandar Deshmukh	Phase transitions at nanoscale: a study with charge density wave and metal-insulator transition systems	28/01/2010	2013
Shefali Talwar	NCBS	Apurva Sarin	Nuclear plasticity in stem cells and its functional implications	22/07/2009	2013

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Shilpa G. Gondhali	Maths-Mumbai	Raja Sridharan	Vector fields on certain quotients of the complex Stiefel manifolds	31/10/2007	2013
Shilpa Ravinder	NCBS	Sumantra Chattarji	Effects of the selective serotonin reuptake inhibitor fluoxetine on the amygdala: cellular, circuit and behavioral analysis	01/08/2008	2013
Shiroman Prakash	DTP	Sandip Trivedi	String Theory and Quantum Field Theories in three Dimensions	13/05/2010	2013
Shirshendu Chowdhury	CAM	Mythily Ramaswamy	Control of Linearized Compressible Navier-Stokes Equations	02/12/2008	2013
Shovamayee Maharana	NCBS	Shivashankar G. V.	Transcription Dependent Chromosome Organization and Nuclear Body Dynamics	22/07/2009	2013
Shyam Sundar Ghoshal	CAM	Veerapa Gowda G.D.	Finer Analysis of Characteristic Curves and its application to exact, Optimal Controllability, Structure of the Entropy Solution of a Scalar Conservation Laws with Convex Flux	30/09/2009	2013
Simoni S Shah	STCS	Pandya P. K.	Unambiguity and Timed Languages: Automata, Logics, Expressiveness	02/01/2008	2013
Soumita Ghosh	DCS	Sonawat H. M.	Metabonomics of Murine Cerebral Malaria by NMR Spectroscopy	08/03/2010	2013
Soumya Gupta	NCBS	Apurva Sarin	Nuclear and chromatin reorganization during T-cell development and activation	15/02/2008	2013
Souradeep Majumder	Maths-Mumbai	Indranil Biswas	Topics in Bundles	17/08/2009	2013
Subhasri Ghosh	NCBS	Satyajit Mayor	Understanding the role of dynamic actin filaments in the organization of plasma membrane molecules	01/10/2007	2013
Sudhanshu Shekhar	Maths-Mumbai	Rajan C. S.	Topics in Iwasawa Theory of p -adic deformations	04/08/2010	2013
Supriya Ghosh	NCBS	Sumantra Chattarji	Generalized Fear, Stress and the Amygdala: from Neurons to Networks	06/09/2006	2013
Vaibhav Vaish	Maths-Mumbai	Arvind Nair	Weight truncated cohomology of algebraic varieties	31/10/2007	2013
Vibhor Singh	DCMPMS	Mandar Deshmukh	Quantum Hall Effect and Electromechanics in Graphene	15/09/2008	2013
Vinayak G. Rane	DCS	Ranjan Das	Study of Electron Spin Polarisation and Relaxation in Photochemical and Photophysical Processes	14/03/2007	2013
Yogesh Chandola	NCRA	Saikia D. J.	HI gas in absorption towards the central regions of radio galaxies	25/05/2009	2013