

**Ph.D Degrees Awarded - 2012**

Name of the PhD Scholar	Dept/ Center	Name of the guide/s	Title of the thesis	Date of registration of the scholar	Degrees Awarded
Abhijit Das	NCBS	VijayRaghavan K.	A Study of Local Interneurons in the Antennal Lobe of <i>Drosophila melanogaster</i>	24/04/2007	2012
Adil Ghani Khan	NCBS	Upinder Bhalla	Studies of the Rat Olfactory System: Coding and Neuroethology	31/03/2006	2012
Amrita Sekhar	NCBS	Jayant Udgaonkar	Exploring the Nature of Protein Aggregation Reactions	03/03/2006	2012
Anindita Sarkar	DBS	Shubha Tole	Role of LIM homeodomain transcription factor Lhx2 in the Neuron-astrocyte fate specification	19/12/2008	2012
Anirban Saha	DHEP	Gobinda Majumder	Measurement of the muon charge asymmetry in pp collisions with CMS at $\sqrt{s} = 7 \text{ TeV}$	31/08/2007	2012
Anjali Jha	DCS	Krishnamoorthy G.	Site-Specific Dynamics of Proteins & Protein Fibrils revealed by TIME-DOMAIN FLUORESCENCE	02/01/2007	2012
Anup Biswas	CAM	Borkar V. S.	Topics in Stochastic Analysis And Optimization	13/08/2008	2012
Ashok K. Rout	DCS	Chary K.V. R.	Structure Based Functional Proteomics: NMR Characterization of a Calmodulin like protein from <i>Entamoeba histolyca</i>	29/01/2007	2012
Atul K. Srivastava	DCS	Chary K.V. R.	Structure, Dynamics and $\text{Ca}^{2+}$ -induced Folding of an Intrinsically Disordered $\beta$ -Crystallin	17/03/2006	2012
Chandrasheel R. Bhagwat	Maths-Mumbai	Rajan C. S.	On Spectral Analogues of Strong Multiplicity One Theorem	24/10/2007	2012
Debasish Banerjee	DTP	Rajiv Gavai	Non-Perturbative Studies of Strongly Interacting matter at Finite Temperature and Density	04/09/2008	2012
Deepika Suri	DBS	Vidita Vaidya	Early Stress Evokes Age-Dependent Biphasic Changes in Hippocampal Neurogenesis, Epigenetic Regulation of the Bdnf gene and Cognitive Behaviour	22/04/2008	2012
Devdatta Majumder	DHEP	Kajari Mazumdar	A Study of Wgamma Production at the LHC using the CMS Detector	13/09/2007	2012
Dhananjay Huilgol	DBS	Shubha Tole	Novel Migratory Streams in the Olfactory System	16/04/2007	2012
Farman Ali	DCS	Periaswamy N. D. Khusalani	Synthesis, photophysics and optoelectronic devices based on carbazole derivatives and Iridium complexes	31/01/2008	2012
H.R. Naren	DCMPMS	Ramakrishnan S.	Strongly Correlated Superconductivity in a family of Transition Metal Chalcogenides	01/09/2006	2012
Hari Shankar Solanki	DCMPMS	Mandar Deshmukh	Semiconducting Nanowire Electromechanics	22/01/2007	2012
Harshal Bhadkhamkar	DAA	Pranab Ghosh	Collective Properties of X-ray Binary Populations of Galaxies	07/12/2007	2012
Jeevisha Bajaj	NCBS	Sudhir Krishna	A cancer stem-like subset in human cervical cancers is maintained by Notch signalling	01/10/2007	2012
Jitendra Kumar	NCBS	Sandhya P. Koushika	The C.elegans kinesin motor UNC-104 gets degraded upon loss of specific binding to cargo	22/01/2007	2012

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Jyotirmoy Bhattacharya	DTP	Shiraz Minwalla	Black holes in Yang Mills theories	20/08/2008	2012
Kishor K. Barman	STCS	Onkar Dabeer	Topics in Collaborative Estimation and MIMO Wireless Communication	02/06/2008	2012
Manoj Kumar Rout	DCS	Hosur R.V.	NMR and MD determination of folding-unfolding characteristics of HIV-1 protease and methodology developments	10/03/2006	2012
Masihur Rahman(Md. Pappu) Laskar	DCMPMS	Arnab Bhattacharya	MOVPE Growth and Characterization of Non-plar (1120) a-plane Group III-Nitrides	06/01/2010	2012
Mousomi Bhakta	CAM	Sandeep K.	Hardy Sobolev Maz'ya Type Equations	31/08/2007	2012
N.V. Narendra Kumar	STCS	Shyamasundar R.K.	Malware Detection by Behavioural Approach and Protection by Access Control	07/04/2005	2012
Prerna Sharma	DCMPMS	Shankar Ghosh	Dynamics of Interfaces	11/03/2008	2012
Ronnie M. Sebastian	Maths-Mumbai	Srinivas V.	Topics in Algebraic Geometry	13/11/2007	2012
Ruchika Anand	NCBS	Sriram V.	The role of NSF and $\alpha$ -SNAP in regulation of SNAREs during mitochondrial remodeling	22/01/2007	2012
Sajal Dhara	DCMPMS	Arnab Bhattacharya	Electrical and Thermal Transport Studies in Individual InAs Nanowires	18/09/2008	2012
Satej S. Khedekar	DAA	Shubabrata Majumdar	Cosmological Constraints from Galaxy Cluster Surveys	03/08/2007	2012
Sayantana Sharma	DTP	Rajiv Gavai	Aspects of QCD thermodynamics with exact chiral fermions on the lattice	22/01/2009	2012
Sayantani Bhattacharyya	DTP	Shiraz Minwalla	Nonlinear Fluid Dynamics from Gravity	21/08/2008	2012
Shameek Paul	Maths-Mumbai	Gurjar R.V.	On the Fundamental Group of Some Hyperelliptic Fibrations and on the Classification of Factorial Surfaces	21/11/2007	2012
Shweta Jain	NCBS	Jayant Udgaonkar	Characterization of the structural events involved in mouse prion protein aggregation	22/11/2006	2012
Somnath Jha	Maths-Mumbai	Sujatha R.	Fine Selmer Group of Hida Deformations	11/12/2008	2012
Souvik Modi	NCBS	Yamuna Krishnan	I-motif based DNA pH sensors: design, delivery and spatiotemporal pH Mapping of endocytic pathways	29/04/2009	2012
Spriha Gogia	NCBS	Mrinalini Puranik	Distortion in HGPRT Purine Substrates Brought About by Protonation, Enzyme-Binding And Chemical Modification	15/02/2008	2012
Subhradip Paul	DCS	Madhu P. K.	Dipolar Decoupling in Solid-State NMR	19/02/2008	2012
Sudarshan R. Gurjar	Maths-Mumbai	Indranil Biswas	Topics in Principal Bundles	27/08/2008	2012
Sudipta Mondal	DNAP	Ravindrakumar G.	Critical Surface Dynamics, Fast Electron Enhancement and Fast Electron Transport in Hot, Dense Plasma	16/08/2007	2012

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Suman Nag	DCS	Sudipta Maiti	Amyloid Beta: Misfolding, Aggregation and Interaction with Cell Membranes	07/04/2006	2012
Suresh Nampuri	DTP	Sandip Trivedi	Dyonic black hole counting in supersymmetric and non-supersymmetric backgrounds	29/08/2008	2012
Suriya Prabha S. P.	CAM	Vasudevamurthy A. S.	Inverse problems for semilinear system of ODEs and a blow up result for a nonlocal diffusion equation	08/04/2008	2012
Swagata Chakraborty	DCS	Hosur R.V.	Development of NMR methods and strategies for protein structure, folding and association	08/02/2008	2012
Swastik Bhattacharya	DAA	Pankaj Joshi	Massless Scalar Fields in Gravitation and Cosmology	28/08/2008	2012
Swetha M. G.	NCBS	Satyajit Mayor	Molecular mechanisms of endo-lysosomal trafficking in metazoan cells	01/10/2007	2012
Tejas M. Gupte	NCBS	Sriram V.	Delineating components of the Mitochondrial fusion machinery	22/01/2007	2012
Vandna Gokhroo	DHEP	Unnikrishnan C. S.	Deep-Cooled Fermionic and Bosonic Potassium Atoms in a Multi-Species Laser Cooling and Trapping Set-up	22/09/2005	2012