

Ph.D Degrees Awarded - 2014

Name of the PhD Scholar	Dept/ Center	Name of the guide/s	Title of the thesis	Date of registration of the scholar	Degrees Awarded
Aekta Aggarwal	CAM	Veerapa Gowda G.D.	Numerical methods for a Hyperbolic system of balance laws arising in granular matter theory	21/06/2010	2014
Amaresh Jaiswal	DNAP	Subrata Pal	Formulation of relativistic dissipative fluid dynamics and its applications in heavy-ion collisions	27/01/2011	2014
Ambalika Sarkar	DBS	Vidita Vaidya	Influence of Postnatal Fluoxetine Treatment on Epigenetic Regulation of Gene Expression and Mood Related behaviour	04/08/2009	2014
Anand Krishnan	NCBS	Sanjay Sane	The neurobiology of antennal positioning in flying hawk moths	25/06/2009	2014
Anand S. Kamlapure	DCMPMS	Pratap Raychaudhuri	Scanning Tunneling Spectroscopy Studies On Strongly Disordered S-Wave Superconductors Close To Metal Insulator Transition	12/11/2009	2014
Aritra Basu	NCRA	Subhashis Roy	Study of Magnetic Fields in Nearby Spiral Galaxies	21/08/2009	2014
Ashish Arora	DCMPMS	Sandip Ghosh	Study of electronic band structure of Group III-V semiconductors using optical spectroscopy with linearly and circularly polarized light	24/09/2008	2014
Atul Varshney	DCMPMS	Shankar Ghosh	Structure Formation and Mechanical Response of Model Amorphous Systems	22/09/2009	2014
Biswajit Mishra	DCS	Deepa Khushalani	Synthesis, Characterization and Application of Pure and Doped Titanium Dioxide Nanowires	20/09/2010	2014
Debdip Ganguly	CAM	Sandeep K.	Semilinear PDEs on Hyperbolic Space and Related Problems	01/05/2012	2014
Dipan Sengupta	DHEP	Manoranjan Guchait	Probing Supersymmetry Signatures at the Large Hadron Collider	09/05/2011	2014
Erix A. Milan Garces	NCBS	Mrinalini Puranik	Probing solvation dynamics, unfolding and refolding equilibrium reactions of the protein barstar with ultraviolet resonance Raman spectroscopy	04/02/2010	2014
Hemachandra Kotamarthi	DCS	Koti A. S. R.	Mechanical unfolding studies on single-domain SUMO proteins and multi-domain periplasmic binding proteins	15/02/2010	2014
Himani Sachdeva	DTP	Mustansir Barma /K. Damle	Aggregation-Fragmentation Models for Transport in a Biological System	12/01/2011	2014
Indu Nair	DBS	VijayRaghavan K.	A Study of the Mechanisms of Wiring of the Adult Olfactory Circuitry of <i>Drosophila melanogaster</i>	03/03/2009	2014
Jithender G. Reddy	DCS	Hosur R.V.	Methodological advances and applications of NMR in structural Biology	03/03/2010	2014
Kinjalk Lochan	DAA	Singh T. P.	Schemes of Canonical Quantization of Gravity: Implications for semiclassical results and cosmology	28/04/2010	2014
Kritika M. Garg	NCBS	Uma Rmakrishnan	Mating games: lessons from the harem-forming fruit bat <i>Cynopterus sphinx</i>	04/02/2010	2014

Loganayagam R.	DTP	Shiraz Minwalla	Weyl Covariance, Hydrodynamics and Gravity	14/01/2009	2014
Manas Kumar Ghosh	DCS	Shyamalava Mazumdar	Roles of Leu155 and Asp111 Residues on the Structure, Function, and Stability of the CuA Center in the Subunit II of ba3 Oxidase from Thermus thermophilus	15/02/2010	2014
Mehrab N. Modi	NCBS	Upinder Bhalla	A Hippocampal Mechanism for Associating Stimuli Separated in Time	24/02/2009	2014
Nikhil S. Karthik	DTP	Sourendu Gupta	Studies on Gauge-link Smearing and their Applications to Lattice QCD at Finite Temperature	06/04/2011	2014
Padmanath M	DTP	Nilmani Mathur	Baryons From Lattice QCD	23/09/2010	2014
Parag Surana	NCBS	Deepak Nair	Biochemical and Structural studies on RNA dependent RNA polymerase from Japanese Encephalitis Virus	04/02/2010	2014
Pradeep Kumar	DBS	Roop Mallik	An in vitro study of lipid droplets from rat liver with in vivo implications	26/04/2010	2014
Pravata Kumar Mohanty	DHEP	Gupta S.K.	An investigation of the Sun induced diurnal anisotropy in cosmic rays measured with the GRAPES-3 experiment	01/11/2007	2014
Pushkar D Paranjape	NCBS	VijayRaghavan K.	Mechanisms of Habituation in Drosophila	07/01/2010	2014
Rahul Basu	NCRA	Dipanjan Mitra	Unravelling Off-pulse emission in outer magnetosphere of Pulsars	28/07/2010	2014
Rajat Anand	NCBS	Mukund Thattai	Feedback loops and cell communication in bacterial quorum sensing	31/01/2012	2014
Rupal Basak	DAA	Rao A. R.	Spectral and Timing Analysis of the Prompt Emission of Gamma Ray Bursts	08/08/2011	2014
Sachin A. Kasture	DCMPMS	Achanta Venugopal	Enhancing optical properties using nano-patterned metallo- dielectric structures	08/03/2010	2014
Saikat Chakraborty	NCBS	Yamuna Krishnan	Tertiary structure of Pri-miRNA 17-92a impacts its processing	29/04/2009	2014
Sasidevan V.	DTP	Deepak Dhar	Studies in statistical physics: Stochastic strategies in a minority game and continuum percolation of overlapping discs	19/11/2010	2014
Saurav Bhaumik	Maths-Mumbai	Nitin Nitsure	A cohomological study of quadratic forms and quadric bundles	23/08/2011	2014
Shalini Verma	DBS	Rao B. J.	Regulation of homologous recombination pathway by tumor suppressors, p53 and BRCA2	01/04/2010	2014
Shibdas Banerjee	DCS	Shyamalava Mazumdar	Study of the gas phase properties of analytes by electrospray ionization mass spectrometry and applications in cytochrome P450 biocatalysis	01/09/2010	2014
Shiv Prakash Patel	Maths-Mumbai	Dipendra Prasad	Branching Laws on the Metaplectic Cover of GL2	24/11/2010	2014
Sonali Saha	NCBS	Yamuna Krishnan	Clensor: A Nucleic Acid based ratiometric chloride ion sensor for intracellular applications	29/04/2009	2014
Sonia Muliylil	DBS	Maitreyi Narasimha	Linking mitochondrial dynamics and oxidative stresses to death and delamination during Drosophila dorsal closure	05/03/2010	2014

Subhasis Ray	NCBS	Upinder Bhalla	Computational Study of a Thalamocortical Neuronal Network	29/04/2009	2014
Sudarshan Kumar	CAM	Veerapa Gowda G.D.	A Finite Volume Method for Nonlinear System of Hyperbolic Conservation Laws Arising in Oil Reservoir Simulation	09/03/2011	2014
Surjendu Bhattacharyya	DCS	Sanjay Wategaonkar	Investigation of Acid-Base Formalism in O-H...S and O-H...? Interactions and Application of ZEKE Spectroscopy for Dissociation Energy Measurement	17/02/2010	2014
Swati Kaushik	NCBS	Sowdhamini R.	Remote Homology Detection techniques, Molecular Simulations and Genome-wide Survey: Case study using Prolyl oligopeptidases	02/02/2011	2014
Tanmay Das	DCMPMS	Somnath Bhattacharya	Transmission Electron Microscopic studies of Materials at nanoscale	07/09/2011	2014
Venus Singh Mithu	DCS	Madhu P. K.	Solid-State Nuclear Magnetic Resonance Spectroscopy of Biomolecules - Methods and Applications	04/05/2009	2014
Vishalkumar Gajjar	NCRA	Bhal Chandra Joshi	On the absence of Pulses from Pulsars	31/08/2009	2014