

Degrees Awarded - 2019-20

Name of the PhD scholar	Name of the Department	Name of the guide/s	Title of the thesis	Year of registration of the scholar	Year of award of PhD
Ajoy Aloysius	NCBS	Sudhir Krishna Jyotsna Dhawan(Co-Guide)	Dissecting the role of Wnt pathway in muscle stem cell quiescence: identification of transcriptional cross talk with the TGF-B(beta) pathway	28/01/2015	2019
Kruttika Anirudha Phalnikar	NCBS	Deepa Agashe	Understanding the diversity and dynamics of gut microbial communities across developmental stages of butterflies	07/07/2014	2019
Chandroday Chattopadhyay	DNAP	Subrata Pal	Entropy production and thermal fluctuations in higher-order dissipative hydrodynamics	08/07/2015	2019
Debabrata Dhara	TCIS	Anukul Jana	Syntheses and Reactivities of P-P, P-Si and N-Si Double Bonded Compounds	12/06/2015	2019
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
Preethi Ravi	NCBS	Gaiti Hasan	Molecular and cellular components underlying dopaminergic regulation of flight in <i>Drosophila melanogaster</i>	18/07/2013	2019
Mahak Dhiman	DCS	Vivek Polshettiwar	Design of nanocatalysts and Plasmonic Nano-heaters using Dendritic Fibrous Nano-Silica	28/10/2015	2019
Clyde Savio Pinto	DBS	Mahendra Sonawane	Actin based apical membrane protrusions during epithelial development and in disease	08/08/2013	2019

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Prachi Srikanth Thatte	NCBS	Uma Radhakrishnan	Multi-species connectivity in a fragmented landscape: theoretical predictions, empirical investigation and future simulations	07/07/2014	2019
Mrudula Sunil Sane	NCBS	Deepa Agashe	The fitness effects of mutations in bacteria	28/01/2015	2019
Suranjana Pal	DBS	Shubha Tole	Understanding the Barrel phenotype in Lhx2 conditional knockout mice	31/08/2015	2019
Yadugiri V.T.	NCBS	Mahesh Sankaran	Managing Multiple Mutualists: Herbivory And Global Change impacts on plant Fungi Partnerships	28/01/2013	2019
Aritra Kundu	ICTS	Abhishek Dhar	Analytically tractable models of one - dimendioal anomalous heat transport one dimensional systems	27/03/2015	2019
Sheroy Shyamak Tata	DNAP	Krishnamurthy M.	Ion acceleration and recombination dynamics in intense laser plasma interaction	08/07/2014	2019
Divya Pathak	DBS	Roop Mallik	Lipid Microdomains in phagosome maturatin and cargo transport	05/08/2015	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
Vishaka Datta	NCBS	Sandeep Krishna	Discerning the role of selection and drift in Eukaryotic Transcriptional network Evolution	07/07/2014	2019
Sayantani Bera	DAA	Singh T. P.	Spontaneous localization of the Wave-Function and Gravity	01/05/2015	2019
Ankita Das	DCS	Jyotishman Dasgupta	Organic Photocatalysis inside Water-Soluble Supramolecular Cages	05/01/2015	2019

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Calvin Steve Rodrigues	NCBS	Sudhir Krishna	Low SUV39H1 drives tumorigenic populations in cervical Cancers	28/01/2015	2019
Alok Javali	NCBS	Vatsala Tirumalai	Mechanisms underlying fate choice in neuromesodermal progenitors and cranial neural crest	03/07/2015	2019
Sudip Ghosh	ICTS	Suvrat Raju	Aspects of the black hole information problem	28/06/2016	2019
Anupam Mondal	Maths-Mumbai	Amitava Bhattacharya	A study of Combinatorics	23/07/2015	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 Hadron Collider	23/06/2014	2019
Yogesh Bansidhar Dande	DTP	Shiraz Minwalla	Membrane Gravity Correspondence	01/07/2015	2019
Sampat Kumar Sharma	Maths-Mumbai	Ravi Rao	On the Bass, Suslin Conjecture	29/07/2016	2019
Barun Kumar Maity	DCS	Sudipta Maiti	Conformation, dynamics and cellular interaction of amyloid peptides	29/05/2015	2019
Steffy B. Manjila	NCBS	Gaiti Hasan	Central monoaminergic circuits that regulate flight in Drosophila melanogater	10/02/2016	2019
Parul Sood	DBS	Sandhya Koushika	Investigation of beavious of vesicular cargo and its regulation across complex and crowded niches I the neuron	26/03/2015	2019
Chandranandan Gangopa	Maths-Mumbai	Indranil Biswas	Automorphism group of Moduli spoace of principal bundles	05/12/2016	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

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Vivek Kumar Rai	Maths-Mumbai	Eknath Ghatе	Reductions of Galois representations at exceptional weights	04/10/2016	2019
Geetanjali Date	HBCSE	Sanjay Chandrasekharan	Solving for Pattern: An optional-level model to redесing engineering education for sustainability	26/12/2014	2019
Lavneet Janagal	DTP	Shiraz Minwalla	Some Aspects of Field Theory	11/08/2016	2019
Vikas Chand	DAA	Rao A. R. Sudip Bhattacharya	Jet Parameter of Gamma-ray bursts	22/04/2015	2019
Viola Caroline D'Mello	DCS	Sanjay Wategaonkar	n-h...n Hydrogen Bonded Complexes of Benzimidazole and Indole: Excited and Cationic State Characterization and Proton Transfer Energetics and Dynamics	28/08/2015	2019
Piyal Taru Dasgupta	DBS	Maitreyi Narasimha	Investigating the cellular, mechanical and molecular basis of fusion fidelity and junction formation during drosophila dorsal closure	20/03/2014	2020
Tousik Samui	DTP	Sreerup Raychaudhuri	Atypical signals for extra dimensions at high energy colliders	16/05/2014	2020
Sanjeev Mahadeva Sharm	NCBS	Raghu Padinjat	Role of PIP4K in regulating cell growth and development in drosophila	02/07/2013	2020
Sarbajaya Kundu	DTP	Vikram Tripathi	Electronic Correlations in Strongly spin-orbit coupled systems	12/02/2016	2020
Divya R	NCBS	Axel Brockmann	Mass Spectrometric Analyses of Neuromodulation in Insect Brains	28/01/2015	2020
Anirban Das	DTP	Basudeb Dasgupta	Novel Astrophysical and Cosmological Signatures of a Self-Interacting Dark sector	04/03/2016	2020

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Kshitij Gajjar	STCS	Jaikumar Radhakrishnan	Distance-preserving monors, Cop number and Triangle-free graphs	21/04/2016	2020
Ebi Antony George	NCBS	Axel Brockmann	Individual and social mechanisms regulating the dance activity within honey bee forager groups	28/01/2015	2020
Saptarnab Naskar	NCBS	Sumantra Chattarji	Effects of stress on the structure and function of astrocytes in the amygdala	04/02/2014	2020
Debdutta Paul	DAA	Rao A. R. Sudip Bhattacharya	Gamma ray bursts in the Astrostat-C&TI era	19/02/2016	2020
Akshit Goyal	NCBS	Sandeep Krishna	Mathematical Models of diversity, multistability and metabolilc cooperation in microbial populations	02/02/2017	2020
Kuntal Chakraborty	Maths-Mumbai	Ravi Rao	On a theorem of Keune and a conjecture of Suslin	12/01/2017	2020
Prabahan Chakraborty	NCBS	Sumantra Chattarji	signatures of stress-induced plasticity: across time, circuits and biological scales	04/02/2014	2020
Ajit Kumar Mehta	ICTS	Ajith Parameswaran	Exploring gravitational-wave astrophysics: Source modelling, tests of General relativity, gravitaitaional lensing	28/07/2016	2020
Atul Mohan	NCRA	Divya Oberoi	Meterwave High Dynamic Range Snapshot Spectroscopic Imaging of Weak Coronal Events	26/07/2016	2020
Sruthi S. Balakrishnan	NCBS	Raghu Padinjat	Regulation of G-protein coupled PLC signalling by PI4KIII(alpha) in Drosophila photoreceptors	03/07/2015	2020
Ravitheja Vangala	Maths-Mumbai	Eknath Gbate	The monomial lattice and p-adic L-functions	03/10/2016	2020

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Sumit Kumar Birwa	ICTS	Narayanan Menon Rama Govindarajan	Mechanics of Immersed Collision and Granular Systems	27/08/2015	2020
Pallabi Das	DHEP	Kajari Mazumdar	Search for the associated production of the Higgs boson with a strong top quark in multi-lepton final states and studies with Pmiss and jets at $s = 13$ TeV with the CMS detector	03/02/2016	2020
Kamalesh Jana	DNAP	Ravindrakumar G.	Ultrafast Dynamics of Ultrahigh Intensity, High contrast, femtosecond laser driven hot, dense plasma	06/06/2016	2020
Kshama Sharma	TCIS	Madhu P. K.	Solid-state NMR strategies toward speed, resolution, and geometry	06/08/2015	2020
Janeka Gartia	TCIS	Chary K.V. R.	NMR Studies on Biomolecular Interactions and Methodologies for Speeding up Resonance Assignments in Proteins	06/08/2015	2020
Ahana Chakraborty	DTP	Rajdeep Sensharma	Memory of Initial Conditions in Quantum Many Body Dynamics: A Non-Equilibrium Field Theoretic Approach	25/02/2016	2020
Biswajit Datta	DCMPMS	Mandar Deshmukh	Electronic transport properties of few-layer graphene	07/04/2016	2020
Srishti Batra	NCBS	Shannon B. Olsson	A functional agonist of insect olfactory receptors: Behaviour, Physiology and structure	07/07/2016	2020
Mukesh Kumar	DBS	Roop Mallik	Mechanism of Insulin Activated Lipid Droplet Transport in the Liver for Lipid Homeostasis	17/08/2015	2020

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Omkar Bait	NCRA	Yogesh Wadadekar	Star Formation in and around nearby galaxies	26/07/2016	2020
Joseph Jose Thottachery	NCBS	Satyajit Mayor	The role of Dynamin-Independent Endocytosis in Membrane Homeostasis	29/07/2011	2020
Babu Krishna Maniyadath	DBS	Ullas Kolthur	Investigating Oscillatory Epigenomic Mechanisms that mediate metabolic transitions	28/11/2016	2020
Abhisek Samanta	DTP	Rajdeep Sensharma	A theoretical study of interplay between strong interaction and potential inhomogeneities	25/02/2016	2020
Vishram Laxman Terse	NCBS	Sachi Gosavi	Understanding protein folding and domain swapping using structure based model MD simulations	28/01/2015	2020
Shrabasti Bhattacharya	DCS	Koti A. S. R.	Tuning Flexibility and dynamics in Ubiquitin Family Proteins	07/07/2015	2020
Rakala Geet Ghanshyam	DTP	Kedar Damle	Numerical studies of frustration and entropic ordering in lattice models	15/04/2014	2020
Prashant Kocherlakota	DAA	Pankaj S.Joshi Co-Guide-Sudip Bhattacharya	On the stability and detection of compact objects in general relativity	01/08/2016	2020
Preetish. K. Mishra	NCRA	Yogesh Wadadekar	Morphological Evolution of nearby disc galaxies	12/07/2016	2020
Manish Kumar Singh	CAM	Veerappa Gowda	Non-local hyperbolic conservation laws and structure theory for balance laws	07/12/2015	2020
Aravind Holur Vijay	DHEP	Manoranjan Guchait	Probing beyond Standard Model Physics using Jet Substructure	07/04/2016	2020

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Shubhadeep Pal	TCIS	Narayanan T. N.	Covalent and non-covalent mesoscopic interfaces of atomic layers and carbon nanotubes for Electrochemical and electronic applications	27/10/2015	2020