

DEGREES BEING CONFERRED

DOCTOR OF PHILOSOPHY



Amber Gupta (RCB/ILS-PhD/2018/1002)

Title of Thesis: Biochemical and Molecular Characterization of Genes Involved in Ion-Relation in Rice Cultivars Contrast for Salt Tolerance
Guide: Dr. Birendra Prasad Shaw, Institute of Life Sciences, Bhubaneswar



Manisha Kumari (RCB-1003)

Title of Thesis: Dissecting the Molecular Mechanism of Amyloidogenic Protein Aggregation and its Impact on Parkinson's Disease
Guide: Dr. Tushar Kanti Maiti, Regional Centre for Biotechnology, Faridabad



Mritunjay Kasera (RCB-1006)

Title of Thesis: Role of Post Translational Modification (PTM) by Small Ubiquitin like Modifiers (SUMOs), Isoform SUMO3 in Effector Triggered Plant Immunity
Guide: Dr. Saikat Bhattacharjee, Regional Centre for Biotechnology, Faridabad



Shrimali Nishith Maheshbhai (RCB-1011)

Title of Thesis: Hypoxic Regulation of Thrombosis and Inflammation in Tibetans with Prolyl Hydroxylase 2 Variant
Guide: Dr. Prasenjit Guchhait, Regional Centre for Biotechnology, Faridabad



Araveti Prasanna Babu (RCB/NIAB-PhD/2018/1002)

Title of Thesis: Insights Into Action of Theileria Parasite in Host
Guide: Dr. Anand Srivastava, National Institute of Animal Biotechnology, Hyderabad



Premlata Kumari (RCB/ILS-PhD/2018/1010)

Title of Thesis: DNA-Protein Crosslink Repair in Pathogenic Yeast *Candida albicans*
Guide: Dr. Narottam Acharya, Institute of Life Sciences, Bhubaneswar



Shradheya Kumar Patel (RCB/ILS-PhD/2018/1008)

Title of Thesis: Deciphering the Role of Po132, the Non-Essential Subunit of DNA Polymerase Delta in Pathogenesis of *Candida albicans*
Guide: Dr. Narottam Acharya, Institute of Life Sciences, Bhubaneswar



Subha Saha (RCB/ILS-PhD/2018/1031)

Title of Thesis: Epigenetic and Post-Transcriptional Gene Expression Regulation in Myeloid Development and Acute Myeloid Leukemia
Guide: Dr. Punit Prasad, Institute of Life Sciences, Bhubaneswar



Lipika Das (RCB/ILS-PhD/2018/1005)

Title of Thesis: Composition and Functional Characterization of Microbiome Collected from Aquatic Animals
Guide: Dr. Subrata Kumar Das, Institute of Life Sciences, Bhubaneswar



Suchismita Behera (RCB/ILS-PhD/2018/1023)

Title of Thesis: Identification and Characterization of Differentially Expressed Proteins in Rabies Virus Infection: Implication in Understanding Pathogenesis

Guide: Dr. Amol Ratnakar Suryawanshi, Institute of Life Sciences, Bhubaneswar



Sara Anisa George (RCB/CDFD-PhD/2018/1014)

Title of Thesis: Comparative Functional Analysis of Mutant p53 Proteins

Guide: Dr. Murali Dharan Bashyam, Centre for DNA Fingerprinting and Diagnostics, Hyderabad



Priyanka Verma (RCB-1018)

Title of Thesis: Spatiotemporal Targeting of Gene Therapeutics to Gastrointestinal Tract (GIT) using Engineered Nanoparticles

Guide: Dr. Avinash Bajaj, Regional Centre for Biotechnology, Faridabad



Shreyasi Das (RCB-1002)

Title of Thesis: Drosophila as a Model to Study the Role of Human Embryonic Myosin Heavy Chain Associated Congenital Myopathies

Guide: Dr. Sam J. Mathew, Regional Centre for Biotechnology, Faridabad



Dahale Shraddha Kantil (RCB-1013)

Title of Thesis: Functional Elucidation of Virulence Function of HopA1 Effectors from Different Pathovars of Pseudomonas syringae

Guide: Dr. Saikat Bhattacharjee, Regional Centre for Biotechnology, Faridabad



Arunima Gupta (RCB-1004)

Title of Thesis: Investigations into the Molecular Mechanisms of Resistance to Pea Powdery Mildew in the Model Legume Medicago truncatula

Guide: Dr. Divya Chandran, Regional Centre for Biotechnology, Faridabad



Anuj Shukla (RCB/NABI-PhD/2018/1013)

Title of Thesis: Molecular and Biochemical Characterization of Wheat Genes Involved in Inositol Pyrophosphate Biosynthesis

Guide: Dr. Ajay Kumar Pandey, National Agri-Food Biotechnology Institute, Mohali



Voddu Suresh (RCB/ILS-PhD/2018/1014)

Title of Thesis: A Novel Insight into the Role of MIF in Pathophysiological Property of Cancer-Associated Fibroblast Cells (CAFs) in Pancreatic Cancer

Guide: Dr. Shantibhusan Senapati, Institute of Life Sciences, Bhubaneswar



Ajay Kumar (RCB/NIAB-PhD/2018/1001)

Title of Thesis: Identification and Immuno-Characterization of Leptospira Surface Proteins Involved in Modulation of Host Innate Immune Response

Guide: Dr. Syed M. Faisal, National Institute of Animal Biotechnology, Hyderabad



Neha (RCB/NABI-PhD/2018/1003)

Title of Thesis: Insight into Enteroendocrine Hormone Modulation via TRPA1 Channel Activating Dietary Constituents

Guide: Dr. Mahendra Bishnoi, National Agri-Food Biotechnology Institute, Mohali



Saikat De (RCB/ILS-PhD/2018/1019)

Title of Thesis: Development of MBZM-N-IBT as Anti-Chikungunya Virus Molecule

Guide: Dr. Soma Chattopadhyay, Institute of Life Sciences, Bhubaneswar



Aishwarya Singh (RCB/CIAB-PhD/2018/1001)

Title of Thesis: Enzyme Based Process for Rare Sugars Production from Agro-Biomass

Guide: Dr. Sudesh Kumar Yadav, Center of Innovative and Applied Bioprocessing, Mohali



Pallavi Mohapatra (RCB/ILS-PhD/2018/1038)

Title of Thesis: Identification of CMTM6 as a Novel Regulator of Cisplatin Resistance in Oral Squamous Cell Carcinoma

Guide: Dr. Rupesh Dash, Institute of Life Sciences, Bhubaneswar



Aliva Prity Minz (RCB/ILS-PhD/2018/1015)

Title of Thesis: Targeting Cancer Associated Stromal Cells in Pancreatic Cancer

Guide: Dr. Shantibhusan Senapati, Institute of Life Sciences, Bhubaneswar



Ruchir Chandrakant Bobde (RCB/ILS-PhD/2018/1030)

Title of Thesis: Structural and Functional Characterization of Plant Histone Deacetylases

Guide: Dr. Dileep Vasudevan, Institute of Life Sciences, Bhubaneswar



Priya Singh (RCB/ILS-PhD/2018/1007)

Title of Thesis: Piperlongumine Based Nanomedicine: A Multimodal Approach for Targeting Breast Cancer Stem Cells (CSCs) in Triple Negative Breast Cancer

Guide: Dr. Sanjeeb Kumar Sahoo, Institute of Life Sciences, Bhubaneswar



Akriti Sharma (RCB-1010)

Title of Thesis: Investigating the Role of the Plant Inner Nuclear Envelope Protein SUN in Host Nuclear Positioning and Immunity during Legume-Powdery Mildew Interactions

Guide: Dr. Divya Chandran, Regional Centre for Biotechnology, Faridabad



Jaya Saini (RCB-1022)

Title of Thesis: Role of lncRNA NEAT1 in the Regulation of Inflammatory Response during Dengue Infection

Guide: Dr. Arup Banerjee, Regional Centre for Biotechnology, Faridabad



Krishnendu Goswami (RCB-1005)

Title of Thesis: Characterizing the Molecular Link Between SRFR1 and IPK1 in Innate Immune Responses of Arabidopsis thaliana

Guide: Dr. Saikat Bhattacharjee, Regional Centre for Biotechnology, Faridabad



Lini Sethi (RCB/ILS-PhD/2018/1041)

Title of Thesis: Characterisation of Recombinant Promoter for Efficient Gene Expression in Plants

Guide: Dr. Nrisingha Dey, Institute of Life Sciences, Bhubaneswar



Fizza Askari (RCB/CDFD-PhD/2018/1020)

Title of Thesis: Identification and Characterization of Phosphoinositide 3-Kinase Signalling Effectors in *Candida glabrata*

Guide: Dr. Rupinder Kaur, Centre for DNA Fingerprinting and Diagnostics, Hyderabad



Vaishna V (RCB/CDFD-PhD/2018/1016)

Title of Thesis: Functional Characterization of HECT E3 Ligases

Guide: Dr. Maddika V Subba Reddy, Centre for DNA Fingerprinting and Diagnostics, Hyderabad



Tanmoy Debnath (RCB/ILS-PhD/2018/1006)

Title of Thesis: Composition and Functional Characterization of Microbiome Collected from Hot Springs

Guide: Dr. Subrata Kumar Das, Institute of Life Sciences, Bhubaneswar



Animesh Kar (RCB-1014)

Title of Thesis: Identification of Molecular and Metabolic Signatures in Response to Engineered Nanotherapeutics Targeting Breast Tumor Progression

Guide: Dr. Avinash Bajaj, Regional Centre for Biotechnology, Faridabad



Soumya Sengupta (RCB/ILS-PhD/2018/1011)

Title of Thesis: T Cell Response in Infection & Inflammation

Guide: Dr. Satish Devadas, Institute of Life Sciences, Bhubaneswar



Mohd. Faraz Alam (RCB/ILS-PhD/2018/1025)

Title of Thesis: Characterizing the Significance of Mitochondria-Centric Events in Japanese Encephalitis Virus Lifecycle and Neurodegeneration

Guide: Dr. Gulam Hussain Syed, Institute of Life Sciences, Bhubaneswar



Sanchari Chatterjee (RCB/ILS-PhD/2018/1020)

Title of Thesis: Studies on Host Factors Essential for Chikungunya and SARS-COV-2 Viruses

Guide: Dr. Soma Chattopadhyay, Institute of Life Sciences, Bhubaneswar



Surendra Kumar Prajapat (RCB/PhD-BT/2018(W)/1006)

Title of Thesis: Pharmacological Induction of Autophagy as a Potential Therapeutic Target for Japanese Encephalitis

Guide: Dr. Manjula Kalia, Regional Centre for Biotechnology, Faridabad



Sandhini Saha (RCB-1012)

Title of Thesis: Mechanistic Insight into Lipid Induced Death in Hepatocytes

Guide: Dr. Tushar Kanti Maiti, Regional Centre for Biotechnology, Faridabad



Sonalika Maurya (RCB-1017)

Title of Thesis: Studies on Role of Polycomb Group Protein CBX4 and Host Epigenetic Modulations during *Salmonella typhimurium* Infection

Guide: Dr. Chittur V. Srikanth, Regional Centre for Biotechnology, Faridabad



Prajna Parimita Kar (RCB/NIAB-PhD/2018(W)/1002)

Title of Thesis: Deciphering the Kinome of Theileria annulata and Elucidating the Role of Selected Kinases in the Immortalization of Host Cells

Guide: Dr. Anand Srivastava, National Institute of Animal Biotechnology, Hyderabad



Sibasish Mohanty (RCB/ILS-PhD/2018/1051)

Title of Thesis: Identification of MINK1 as a Novel Kinase Regulator of 5-FU Resistance through CRISPR Based Kinome Screening in Oral Squamous Cell Carcinoma

Guide: Dr. Rupesh Dash, Institute of Life Sciences, Bhubaneswar



Virender Kumar (RCB/NABI-PhD/2018/1010)

Title of Thesis: Identification of Loci Governing Seed Oil Content in Soybean (Glycine max L.)

Guide: Dr. Joy Kumar Roy, National Agri-Food Biotechnology Institute, Mohali



Sanskriti (RCB/NABI-PhD/2018/1002)

Title of Thesis: Improvement in Fruit Quality Related Traits in Tomato (Solanum lycopersicum L.) Using Genome Editing Approach

Guide: Dr. Joy Kumar Roy, National Agri-Food Biotechnology Institute, Mohali



Chandan Kumar (RCB-1008)

Title of Thesis: Understanding the Role of Nucleolin in Mitosis

Guide: Dr. Sivaram V. S. Mylavarapu, Regional Centre for Biotechnology, Faridabad



Sunny (RCB/PhD-BI/2018/1008)

Title of Thesis: Computational Analysis and Development of Resources to Facilitate the Discoveries of Novel Sustainable Solutions for Waste Plastic Materials

Guide: Dr. Vengadesan Krishnan, Regional Centre for Biotechnology, Faridabad



Aher Abhishek Taterao (RCB/CDFD-PhD/2018/1015)

Title of Thesis: Effect of Diazole and Diazine Derivatives along with their Metal Complexes in Tumorigenesis

Guide: Dr. Sunil Kumar Manna, Centre for DNA Fingerprinting and Diagnostics, Hyderabad



Subhasree Saha (RCB/ILS-PhD/2018/1004)

Title of Thesis: Study on Biofilm Formation and Quorum Sensing in Vibrio cholerae and Finding Therapy for Controlling Virulence

Guide: Dr. Durg Vijai Singh, Institute of Life Sciences, Bhubaneswar



Ruchika Maurya (RCB/NABI-PhD/2018/1008)

Title of Thesis: Modulating Gut Microbiome with Cereal-Based Bioactive Ingredients in Metabolic Syndrome.

Guide: Dr. Kanthi Kiran Kondepudi, National Agri-Food Biotechnology Institute, Mohali



Shatabdi Paul (RCB/CIAB-PhD/2018/1002)

Title of Thesis: Development of Agri-Biomass Derived Nanolignin Based Coatings and their Applications in Antimicrobial and Anticancer Photodynamic Therapy

Guide: Dr. Jayeeta Bhaumik, Center of Innovative and Applied Bioprocessing, Mohali



Preksha Gaur (RCB-1016)

Title of Thesis: Studies on Implications of Small GTPase Protein Rab7 in Inflammatory Bowel Disease

Guide: Dr. Chittur V. Srikanth, Regional Centre for Biotechnology, Faridabad



Passong Immanuel Ramawizuala Chhakchhuak (RCB/CDFD-PhD/2018/1018)

Title of Thesis: Studies on Regulation and Physiology of Rho-Dependent Transcription Termination in Bacteria

Guide: Dr. Ranjan Sen, Centre for DNA Fingerprinting and Diagnostics, Hyderabad



Subhasis Mahari (RCB/NIAB-PhD/2019/1007)

Title of Thesis: Development of New Generation Biosensors Integrated with Nanostructured Sensitive Elements for Detection of Salmonellosis

Guide: Dr. Sonu Gandhi, National Institute of Animal Biotechnology, Hyderabad



Sourav Ghosh (RCB/ILS-PhD/2018/1027)

Title of Thesis: Distinct Evolution of Plasmodium Glutamine Synthetase with Species-Specific Essentiality and its Implication in Artemisinin Resistance

Guide: Dr. V Arun Nagaraj, Institute of Life Sciences, Bhubaneswar

MASTER OF SCIENCE



Shadrack Danquah Owusu (RCB/Int-PhD/2019/1016)

Title of Dissertation: Screening of FDA-Approved Drugs as Antivirals for Japanese Encephalitis Virus

Guide: Dr. Manjula Kalia, Regional Centre for Biotechnology, Faridabad



Ahona Roy (RCB/NIBMG-Int-PhD/2019/1001)

Title of Dissertation: Characterizing Synergy and the Effect of a Dengue-Related SNP Located on the Interferon Lambda 1 (IFNL1) Promoter

Guide: Dr. Sreedhar Chinnaswamy, National Institute of Biomedical Genomics, Kalyani



Amisha Joshi (RCB/NIBMG-Int-PhD/2019/1002)

Title of Dissertation: Functional Annotation of Novel LncRNA Having a Putative Role in Cancer

Guide: Dr. Kartiki V. Desai, National Institute of Biomedical Genomics, Kalyani



Tamal Sarkar (RCB/NIBMG-Int-PhD/2019/1007)

Title of Dissertation: Interaction Between Notch and BMPR1 Signaling in Context of OSCC Stemness

Guide: Dr. Sandeep Singh, National Institute of Biomedical Genomics, Kalyani



Tanmoy Dutta (RCB/NIBMG-Int-PhD/2019/1008)

Title of Dissertation: Characterization of the Antibiotic Resistant Polymicrobial Infection in Chronic Diabetic Foot Ulcers

Guide: Dr. Souvik Mukherjee, National Institute of Biomedical Genomics, Kalyani



Anushka Das (RCB/Int-PhD/2020/1002)

Title of Dissertation: Conserved Post-Translational Modification Sites Selectively Govern Mitotic Dynein Function

Guide: Dr. Sivaram V. S. Mylavarapu, Regional Centre for Biotechnology, Faridabad



Chhavi Dua (RCB/Int-PhD/2020/1003)

Title of Dissertation: Exploring the Potential of Bile Acid Derived Cationic Amphiphiles as Anticancer Agents and Drug Delivery Vehicles

Guide: Dr. Avinash Bajaj, Regional Centre for Biotechnology, Faridabad



Biplab Ghosh (RCB/Int-PhD/2020/1005)

Title of Dissertation: Investigating the Role of Retinoic Acid Signaling Pathway in the Maintenance of Tissue Homeostasis and Regeneration in Planarians

Guide: Dr. Prasad Abnave, Regional Centre for Biotechnology, Faridabad



Harish (RCB/Int-PhD/2020/1006)

Title of Dissertation: Elucidating the Role of ATP-Mg/Pi Carriers in Mitochondrial Calcium Dynamics and Pigmentation

Guide: Dr. Rajender Motiani, Regional Centre for Biotechnology, Faridabad



Jaskirat Singh Sandhu (RCB/RGCB-MSc/2020/1001)

Title of Dissertation: S1P Signalling: A Key Determinant of Immunotherapy Response in Pancreatic Cancer

Guide: Dr. Harikumar K.B, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Atriya Mazumdar (RCB/RGCB-MSc/2020/1002)

Title of Dissertation: Role of mRNA3' Heterogeneity in Gene Expression

Guide: Dr. Rakesh S. Laishram, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Swarnabha Chowdhury (RCB/RGCB-MSc/2020/1003)

Title of Dissertation: Contrast in Circadian Rhythm: A Reflection on Cognition and Autism

Guide: Dr. Moinak Banerjee, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Vandana Sharma (RCB/RGCB-MSc/2020/1004)

Title of Dissertation: Generation of Induced-Pluripotent Stem Cells (iPSCs) from NIHes1fl/fl Mice-Derived Embryonic Fibroblast and IHC Characterization of NIHes-1 Knockout Embryos

Guide: Dr. Jackson James, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Akshit Jain (RCB/RGCB-MSc/2020/1005)

Title of Dissertation: BAX Activation in Mitophagic Cells under Hypoxia

Guide: Dr. Santhosh Kumar T. R, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Md Sahil (RCB/RGCB-MSc/2020/1006)

Title of Dissertation: Role of EZH2 in Regulating Immune Effector Molecule in Hematological Tumor Cells

Guide: Dr. Sunil Martin, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Baishali Chakraborty (RCB/RGCB-MSc/2020/1007)

Title of Dissertation: Assessing Molecular Cues Involved in Acquisition of Adhesive Phenotype

Guide: Dr. Malini Laloraya, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Asmita Dutta (RCB/RGCB-MSc/2020/1008)

Title of Dissertation: Role of Pneumolysin-Derived Extracellular Vesicles in Bacterial Host Evasion and Immune Escape

Guide: Dr. Karthik Subramanian, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Neha Bera (RCB/RGCB-MSc/2020/1009)

Title of Dissertation: Unraveling the Role of Pup Proteasomal System in Iron Starved Mycobacteria

Guide: Dr. Krishna Kurthkoti, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Sulagna Adhikary (RCB/RGCB-MSc/2020/1010)

Title of Dissertation: Initiation of Clathrin-Mediated Endocytosis: Understanding the Role of FCHo Proteins

Guide: Dr. Umasankar P.K, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Archana Praveen (RCB/RGCB-MSc/2020/1011)

Title of Dissertation: Evaluation of the Role of Utroside B in Modulating Critical Signaling Pathways in Hepatocellular Carcinoma

Guide: Dr. Ruby John Anto, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Irfan Shafi Malik (RCB/RGCB-MSc/2020/1012)

Title of Dissertation: Designing of Gold Nanoconstructs against Human Epidermal Growth Factor Receptor 2 (HER2) Overexpressing Cancer Types

Guide: Dr. Debanjan Bhowmik, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Ratulananda Bhadury (RCB/RGCB-MSc/2020/1013)

Title of Dissertation: Cellular Consequences of UV-Induced DNA Adducts in the Presence and Absence of Tumor Suppressor PTEN: An Optimization, Characterization and Validation Study

Guide: Dr. Ananda Mukherjee, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Aleena Mariam Shaji (RCB/RGCB-MSc/2020/1014)

Title of Dissertation: Interaction of Helicobacter Pylori with Other Bacteria in the Gastric Microbiome

Guide: Dr. Santanu Chattopadhyay, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Yashasvi Sharma (RCB/RGCB-MSc/2020/1015)

Title of Dissertation: Investigation on the Scaling Response in Neuronal Voltage Gated Calcium Channel

Guide: Dr. Omkumar R. V., Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Arvind (RCB/RGCB-MSc/2020/1016)

Title of Dissertation: Robust Isolation and Biochemical Characterization of Human Reticulocyte Sub-Population from Peripheral Blood

Guide: Dr. Rajesh Chandramohanadas, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Ashik Francis (RCB/RGCB-MSc/2020/1017)

Title of Dissertation: Identification of Mutation Hotspots in CHPV Genome to Attenuate it for Oncolytic Purpose

Guide: Dr. John Bernet Johnson, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Victor Samuel I (RCB/RGCB-MSc/2020/1018)

Title of Dissertation: Surface Proteomics and Mitonuclear Communication in Cardiac Cells

Guide: Dr. Ananthalakshmy Sundararaman, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Priyanshu Priya (RCB/RGCB-MSc/2020/1019)

Title of Dissertation: Elucidation of Xenoestrogen Mediated Chemo-Resistance in Breast Cancer Cells

Guide: Dr. Priya Srinivas, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Yetcherla Raja Aravind (RCB/RGCB-MSc/2020/1020)

Title of Dissertation: Unfolding the Role of RFX-1 in Cancer Stemness

Guide: Dr. Ani V Das, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Saumya S K (RCB/RGCB-MSc/2020/1021)

Title of Dissertation: Evaluation of the Role of Transcriptional Intermediary Factor Ig (TIFlg) in the Regulation of Epithelial-Mesenchymal Transition in Oral Squamous Cell Carcinoma

Guide: Dr. Tessy Thomas Maliekal, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Aman Grewal (RCB/RGCB-MSc/2020/1022)

Title of Dissertation: Optical Based Detection of Uric Acid Using Novel Carbon Nanozyme for Biosensing Application

Guide: Dr. Lightson N.G, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Bhawna Kangotra (RCB/RGCB-MSc/2020/1023)

Title of Dissertation: Designing of Gold Nanoconstructs with an Aim to Assist Cholesterol Trafficking in Niemann-Pick Type C Disease

Guide: Prof. Chandrabhas Narayana, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Kartik Suresh Rangari (RCB/RGCB-MSc/2020/1024)

Title of Dissertation: Study on the Effects of Non-Synonymous Mutations on the Binding Affinity of Small Molecules with Spike Protein and 3CLpro of SARS-CoV-2 Variants

Guide: Dr. Shijulal Nelson Sathi, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Andhela Leela Sairam (RCB/RGCB-MSc/2020/1025)

Title of Dissertation: Stimuli-Responsive Release of Antimicrobial Peptide from PLGA-PEI Nanoparticles for Infectious Wound Healing: An In Vitro Study

Guide: Dr. G.S. Vinod Kumar, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Thene Harikrishna (RCB/RGCB-MSc/2020/1026)

Title of Dissertation: Evaluation of Forensically Significant mtDNA D-Loop in Kerala Population

Guide: Dr. E.V. Soniya, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Vicky Kumar (RCB/RGCB-MSc/2020/1027)

Title of Dissertation: Structural Insights into Conformational Stability of TubB1 Mutations Associated with Platelet Biogenesis Disorders

Guide: Dr. Kathiresan Natarajan, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Pradhan Ajay Shivaji (RCB/RGCB-MSc/2020/1028)

Title of Dissertation: A Study on the Synergistic Antibacterial Activity of Phytochemical-Antibiotic Combinations Against Selected Multidrug-Resistant Bacterial Pathogens

Guide: Dr. Sabu Thomas, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Lakshay Garg (RCB/RGCB-MSc/2020/1029)

Title of Dissertation: Natural Membrane Pore as Nanopore Sensor

Guide: Dr. Mahendran K.R., Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Aakriti Langeh (RCB/RGCB-MSc/2020/1030)

Title of Dissertation: Cloning and Expression of a Full-Length Recombinant NS1 Protein from Influenza A H1N1 Viral Isolate

Guide: Dr. Sara Jones, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Diksha Shandilya (RCB/RGCB-MSc/2020/1031)

Title of Dissertation: Elucidating the Biological Mechanism Targetted by Aza BODIPY (DPR2b) as a Photosensitiser for Breast Cancer Therapy

Guide: Dr. S Asha Nair, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Anirban Adhikary (RCB/Int-PhD/2019/1001)

Title of Dissertation: Investigations into the Molecular Mechanism of Regulation of Diguanylate Cyclase Activity of SiaD

Guide: Dr. Deepti Jain, Regional Centre for Biotechnology, Faridabad



Biswambhar Biswas (RCB/Int-PhD/2019/1004)

Title of Dissertation: Identification and Characterization of Glutathione Transporter of Multidrug-Resistant Fungus Candida auris

Guide: Dr. Anil Thakur, Regional Centre for Biotechnology, Faridabad



Prerona Ghosh (RCB/NIBMG-Int-PhD/2020/1005)

Title of Dissertation: Stress Response, Optimized Therapy, and Evolution of Vancomycin Intermediate Staphylococcus aureus (VISA)

Guide: Dr. Saroj Kumar Mohapatra, National Institute of Biomedical Genomics, Kalyani



Urvashi Yadav (RCB/NIBMG-Int-PhD/2020/1009)

Title of Dissertation: Understanding the Role of SARS-CoV-2 Accessory Protein ORF3a in Evading Host Immune Response via Modulating Type-II Interferon Signaling

Guide: Dr. Bhaswati Pandit, National Institute of Biomedical Genomics, Kalyani



Harsh V Oza (RCB/Int-PhD/2019/1007)

Title of Dissertation: Elucidating the Role of an Actin Binding Protein-TAGLN2, in the Biogenesis and Stability of Tunnelling Nanotubes

Guide: Dr. Sivaram V. S. Mylavarapu, Regional Centre for Biotechnology, Faridabad



Shubham Kumar (RCB/Int-PhD/2019/1010)

Title of Dissertation: To Study the Effect of Dengue Virus on Neutrophil Phenotypes and Their Impact on T-Cell

Guide: Dr. Arup Banerjee, Regional Centre for Biotechnology, Faridabad



S Nandha Kumar (RCB/Int-PhD/2020/1004)

Title of Dissertation: The Role of Epigenetic Regulator CBX4 in Salmonella typhimurium Pathogenesis

Guide: Dr. Chittur V. Srikanth, Regional Centre for Biotechnology, Faridabad



Akshay Kumar (RCB/RGCB-MSc/2021-22/M/073/1001)

Title of Dissertation: HIF1 α Signaling Heterogeneity Study Using a HIF1 α Reporter System

Guide: Dr. Santhosh Kumar T.R., Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Arnab Kakati (RCB/RGCB-MSc/2021-22/M/074/1002)

Title of Dissertation: Domain-Specific Cloning and Functional Validation of PTEN Tumor Suppressor Gene in Response to DNA Damage

Guide: Dr. Ananda Mukherjee, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Ayush Dave (RCB/RGCB-MSc/2021-22/M/075/1003)

Title of Dissertation: Elucidating OCT4-Mediated Regulation of RFX1 in Cancer Stem Cells

Guide: Dr. Ani V. Das, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Charanraj C A (RCB/RGCB-MSc/2021-22/M/076/1004)

Title of Dissertation: Does Function of HIRA Could Regulate Transition of Normal Hematopoietic Stem Cells (HSCs) to Become Leukemia Stem Cells (LSCs)

Guide: Dr. Debasree Dutta, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Gaurav Nanakwani (RCB/RGCB-MSc/2021-22/M/077/1005)

Title of Dissertation: Membrane Porins as Electrostatic Filters for Antibiotic Permeation

Guide: Dr. Mahendran K.R., Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Kamallata Chakraborty (RCB/RGCB-MSc/2021-22/M/078/1006)

Title of Dissertation: In Vitro Detection of HER2 from Cancer Related Exosomes via Surface Enhanced Raman Spectroscopy

Guide: Prof. Chandrabhas Narayana, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Kushala R (RCB/RGCB-MSc/2021-22/M/079/1007)

Title of Dissertation: Investigating the Role of Pup-Proteasomal System in Mycobacterial Metabolic Reprogramming

Guide: Dr. Krishna Kurthkoti, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram



Lavoori Ravindar (RCB/RGCB-MSc/2021-22/M/080/1008)

Title of Dissertation: Molecular Dynamics Analysis of Lung Cancer Associated TUBB4B Tubulin Isotype Mutations

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