Scientist requirement: RCB-NABI PhD Student of 2026-January (Winter semester) Batch (10th Batch)

S. N.	Scientist Name	Requirement	Fund	Tentative research project
1.	Prof. Ashwani Pareek, Executive Director	2	Own	Crop engineering for food and nutritional security
2.	Dr. Saravanamurugan S, Sci-F	4	Own	High-Value Product Synthesis via Chemoenzymatic Bioprocessing
3.	Dr. Ajay K Pandey, Sci-F	1	Own	Exploring iron transceptors from hexaploid wheat to modulate the iron mobilization
4.	Dr. Shrikant S Mantri, Sci-F	2	Own	1. Discovering Health-Boosting Insights: Multi-Omics Big Data Mining for Novel Patterns and Pathways 2. Deep learning neural network model development for biological predictions and data mining.
5.	Dr. Siddharth Tiwari, Sci-F	1	Own	Development and deployment of genome editing tools for precise trait improvement in plants
6.	Dr. Monika Garg, Sci-F	3	Own	1. Expression profiling and functional validation of candidate genes associated with fructan content in wheat through protein interaction and overexpression studies 2. Evaluation of celiac disease eliciting epitopes in genome edited wheat and their effect on functional quality 3. Functional evaluation and validation of nutrients in black *Triticum sphaeroccum* wheat
7.	Dr. Kanthi Kiran Kondepudi, Sci-F	2	1 Own + 1 NABI-Core	1. Molecular and Cellular Mechanisms of Commensal Gut Bacteria in Diet-Induced Obesity 2. Millets for a Healthy Gut and Metabolism: Nutritional Implications
8.	Dr. Mahendra Bishnoi, Sci-F	1	Own	Biosensor technology, chemistry, bio-marker identification
9.	Dr. Nitin Kumar Singhal, Sci-F	2	Own	1. Cross-Kingdom Regulatory Potential of Ginger-Derived Exosomal microRNAs on Mammalian Target Genes 2. NextWave Aptasensors: Redefining Bacterial Detection for Smart Healthcare
10.	Dr. Koushik Mazumder, Sci-F	1	Own	Edible coating and understanding the molecular basis of delayed fruit ripening.
11.	Dr. Rupam K Bhunia, Sci-E	1	Own	Improving plant lipid nutritional quality using genome editing
12.	Dr. Sivasubramanian R, Sci-D	1	Own	Nanomaterials-based strategies for crop improvement
13.	Dr. Charanpreet Kaur, Sci-D	1	1 Own	Exploring the role of prion-like proteins in plant stress and memory responses. Exploring the role of fungal prion-like proteins in plant-fungi interactions

14.	Dr. Rajeev Nayan Bahuguna	1	Own	Deciphering genetic control of carbon dioxide responsiveness in direct-seeded rice to improve yield and grain nutrients under warmer climate.
15.	Dr. Panneerselvam K, Sci-D	1	Own	Deciphering the biosynthetic pathway of phenylphenalenone-type phytoalexins in banana (Musa spp.)
16.	Dr. Nimaichand Salam, Sci-D	2	Own	1. Plant-Microbe Interactions 2. Biosynthetic gene clusters from soil actinomycetes
17.	Dr. Meena Krishania Choudhary, Sci-C	1	Own	Microbial Cell Factory Platforms for Upcycling Agricultural Biomass into Value-Added Products
18.	Dr. Prafull Salvi, Sci-C	1	NABI Core	Exploring the Regulatory Roles of Intrinsically Disordered Regions in Seed-Associated Transcription Factors of Rice
19.	Dr. Vanish Kumar, Sci-C	2	Own	1. Development of electrospun nanofibers-based sensing platforms for food contaminants detection 2. Development and exploration of Kombucha-based value-added products
20.	Dr. Shivraj Nile, Sci-C	2	Own	1. Microbiome-targeted functional food formulation from plant bio-actives for obesity–metabolic syndrome via GLP-1 and bile acid–FXR/TGR5 modulation 2. 2. Multi-omics guided modulation of Wnt/β-Catenin, PI3K/Akt/mTOR, and microbial SCFA signaling by fruit-derived exosome-like nanoparticles in colorectal cancer 3. Integrative molecular bio-prospecting and callus-based bio-manufacturing of indigenous plant pigments for next-generation functional foods and nutraceuticals
21.	Dr. Sandeep Kumar, Sci-C	3	2 Own + 1 NABI-Core	1. Precision Fermentation Platforms for Clean-Label Food Proteins 2. Zero-Waste Fermentation Pipelines for Circular Bioactive and Protein Recovery 3. Microbial Cell Factories for Clean and Sustainable Food Biomanufacturing
	Total	35	32 Own fellowship + 3 NABI-Core	