

MK Bhan-Young Researcher Fellowship Program 2022-23

List of the 23 selected candidates (in alphabetical order):

S. No.	Applicant Name	Title of the research proposal	Host Institute
1.	Dr. Aatish Mahajan	Effect of combined maternal cadmium and lead metal exposure along with different levels of dietary folate and vitamin B12 during pregnancy on placental epigenetics and their association with risk of pre-eclampsia	THSTI
2.	Dr. Abhimanyu Jogawat	Exploring the link between calcium signaling and sugar transport in the root endophytic mutualism of <i>Piriformospora indica</i> and <i>Arabidopsis thaliana</i>	NIPGR
3.	Dr. Afsana Parveen	Dissecting the role of S- nitroso glutathione reductase and phytoalbumin in anaerobic germination of rice	NIPGR
4.	Dr. Anjali Pande	Deciphering the role of nitric oxide in mediating thermomemory in plants.	NIPGR
5.	Dr. Ankita Alexander	Elucidating the metabolic signatures delineating symbiotic and pathogenic legume-microbe interactions	RCB
6.	Dr. Akshay Sharma	Demystifying the mystery of Orai3 turnover and function in pancreatic cancer	RCB
7.	Dr. Arthi N	Forcespun nanofiber yarns incorporated with stem cell strips as cardiac patch for Myocardial Infarction	InStem
8.	Mr. Atala Bihari Jena	Functional implications of evolutionarily conserved motifs in complement factor H - an alternative complement pathway regulator linked to multiple human diseases	NCCS
9.	Dr. Krishna Kant Gupta	Understanding the virus-nuclear pore complex crosstalk using computational and structural biological approaches	NCCS
10.	Dr. Neelam Chauhan	Engineering of ECM-mimicking Layered Constructs for Long-term Immune-shielding and Functioning of Islets	RCB
11.	Dr. Nidhi Verma	Understanding the role of ATP dependant DEAD-box RNA helicases in ribosome biogenesis	ICGEB
12.	Dr. Niranjana Sri S	Identification of enhancers of known TB drugs by performing phenotypic or macrophage based screens	THSTI

13.	Dr. Nandita Pasari	Identification of molecular players that modulate plant immunity during rhizobial infection of chickpea	NIPGR
14.	Dr. Pragyan Parimita Rath	Structure guided designing of inhibitors targeting Plasmodium falciparum phospholipases as lead antimalarial candidates	ICGEB
15.	Dr. Ravi Holani	Role of bile acids in regulating interaction between host intestinal mucosa and opportunistic pathogens of Enterobacteriaceae family in IBD patients	RCB
16.	Dr. Revathi Devi Sundaramoorthy	Characterization of oncogenic potential of cytoplasmic form of ARID1B.	CDFD
17.	Dr. Sanjeev Kumar	Transcriptome mapping and evaluation of drought responsive micro RNA in roots of mungbean local landraces for improving drought tolerance	ICGEB
18.	Dr. Shraddha Chakraborty	Dissecting the miRNA-NF- κ B signaling circuit in colorectal cancer	NII
19.	Dr. Sumayya Shahzad	Role of untranslated RNA length control in anti-oxidant & inflammatory pathway in cardiac hypertrophy	RGCB
20.	Dr. Suruchi Aggarwal	Stage-specific molecular signature identification for non-alcoholic fatty-liver disease using integrative analysis of multi-omics data and artificial intelligence	THSTI
21.	Dr. Sreeja Kumari Dhanya	Elucidating the functional role of RBBP4 in regulating neocortical development and its neuropathological role in autism spectrum disorder	InStem
22.	Dr. Udit Basu	Understanding the role of Mediator complex subunits in the regulation of yield contributing traits in chickpea	ICGEB
23.	Dr. Upasana Bhattacharyya	Evaluation of Genetic Etiologies and Functional Characterization in Congenital Hypothyroidism In Indian Population	CDFD
