

**(List of Schemes/projects/program underway) Ongoing Projects 2022-23**

<b>Sr. No.</b>	<b>Sanction Order No.</b>	<b>Title</b>	<b>Project Leader</b>	<b>Sponsoring agency</b>	<b>Start Date</b>	<b>End Date</b>
1	JCB/2018/000027	JC BOSE Fellowship	Dr. Bhaskar Saha	SERB	12/11/2018	11/11/2023
2	CRG/2020/005433	To understand the immunosuppressive activity of secretory PD-L1 and its regulation by F-Box proteins to develop potent immunotherapeutic leads for cancer	Dr. Manas Santra	SERB	22/03/2021	21/03/2024
3	DST/SJF/LSA-01/2017-18	Effect of neuro-immune communication in the gut inflammation and auto-immunity	Dr. Girdhari Lal	DST	01/07/2019	30/06/2024
4	BT/PR15450/COE/34/46/2016 (CORE GRANT)	Centre of Excellence in Biomolecular Structure and Function on Host-Pathogens Interactions.	Dr. Radha Chauhan	DBT	28/12/2016	27/12/2023
5	BT/PR15450/COE/34/46/2016 (R & D PROJECT 1 )	Structural perspective of molecular interactions in pathogenicity: Role of regulatory proteins of HIV-1 and heat shock proteins of M. Tuberculosis	Dr. Radha Chauhan	DBT	28/12/2016	27/12/2023
6	BT/PR15450/COE/34/46/2016 (R & D PROJECT 2 )	Centre of excellence in Biomolecular Cellular Stress Proteins in HIV Infection: Biochemical and functional characterization.	Dr. Debashis Mitra	DBT	28/12/2016	27/12/2023
7	BT/PR15450/COE/34/46/2016 (R & D PROJECT 3 )	Centre of Excellence in Biomolecular -Structural & functional role of Nuclear Envelope in HIV infection.	Dr. Radha Chauhan	DBT	28/12/2016	27/12/2023
8	BT/PR27451/BRB/10/1655/2018	Characterization of acute necrotizing encephalopathy-1(AEN-1) associated mutations in Nup358.	Dr. Jomon Joseph	DBT	07/03/2019	06/11/2023
9	BT/PR32331/BRB/10/1774/2019	Characterization of inter-cellular transport of Ran GTPase	Dr. Jomon Joseph	DBT	27/08/2020	26/08/2024
10	CRG/2019/001157	Proteogenomics based identification and Characterization of a novel ITGB8 isoform in ovarian cancer and elucidation of its functional relevance.	Dr. Sharmila Bapat	SERB	27/03/2020	26/09/2023

11	BT/PR36142/MED/30/220 1/2020	Elucidation of the role of long noncoding RNA-Ginir as a biomarker in lung tumorigenesis	Dr. Manas Santra	DBT	19/08/2021	18/08/2024
12	BT/PR31772/BRB/10/1767 /2019	Comprehensive characterization of novel lncRNA-protein network orchestrating the mammalian cell cycle program	Dr. Vidisha Tripathi	DBT	03/12/2020	02/12/2023
13	2020-3076/SCR/ADHOC- BMS	Understanding the role of clathrin mediated endocytosis in neural development and function	Dr. Deepa Subramanyam	ICMR	15/02/2021	14/02/2024
14	CRG/2020/003971	Structural investigations of GluK2 and GluK3 kainate receptors in lipidic environment	Dr. Janesh Kumar	SERB	22/03/2021	21/03/2024
15	IA/E/16/1/503020	Understanding the role of RNAi - mediated antiviral host defense against DNA Viruses.	Dr. Jyoti Singh	Wellcome	01/01/2018	31/12/2023
16	CRG/2019/005587	The neurophysiological pathways of emesis in <i>Drosophila melanogaster</i>	Dr. Gaurav Das	SERB	12/06/2020	30/11/2023
17	DST/INSPIRE FACULTY/Group-03/2016- 17	Epigenetic mechanisms of regulation of autophagy in development, differentiation and disease.	Dr. Deepika Puri	DST	30/07/2018	29/07/2024
18	BT/NBM0166/04/19	Establishment of GMP-Compliant National Repository for banking, safe deposit and supply of characterized mammalian cells for use in biopharma	Dr. Punam Nagvenkar	BIRAC	26/11/2019	25/11/2023
19	BT/Coord.II/01/03/2016	Establishment of Center of Excellence for "National Center for Microbial Resource (NCRM)"	Dr. Avinash Sharma	DBT	30/03/2017	30/09/2023
20	18017/187/CSS/R&D/KR- 03/2019-20-NMPB-IV-A	Determination of the vector of sandal spike disease (SSD) of Indian Sandalwood ( <i>Santalum Album L.</i> ) and Development of integrated vector management strategies.	Dr. Amit Yadav	Ministry of Ayush	01/10/2020	01/10/2024
21	AMR/Adhoc/236/2020- ECD-II	Genomic based approaches for characterization of the microbial antibiotic resistance and resistome in dairy production system.	Dr. Amit Yadav	ICMR	25/03/2021	24/03/2024

22	BT/PR41474/NDB/39/760/2020	Bioprospecting of Marine microbial diversity for various products under the Marine Bioresource and Biotechnology Network Programme	Dr. Avinash Sharma	DBT	28/09/2021	27/09/2024
23	CRG/2021/002728	Identifying interactors of E-cadherin in embryonic stem cells	Dr. Deepa Subramanyam	SERB	30/12/2021	29/12/2024
24	BT/PR38584/MED/122/247/2020	Identification and characterization of downstream effector proteins for Gao, the major neural G protein in brain tissue	Dr. Santosh Kumar	DBT	20/12/2021	19/12/2024
25	CRG/2021/000732	Delineation of the major brain G protein, G o mediated signaling pathway using C.elegans model system	Dr. Santosh Kumar	SERB	29/12/2021	28/12/2024
26	CRG/2021/003130	Studying the liquid-liquid phase separation properties associated with a transcriptional co-activator	Dr. Amitabha Majumdar	SERB	21/01/2022	20/01/2025
27	BT/HRD/MK-YRFP/50/22/2021	Structure and function of trans-synaptic complexes mediated by Neurexin, Cerebellin and GluD receptors	Dr. Kalita Jupitara	DBT	08/10/2021	07/10/2024
28	2021(APP.REF NO. 3330	Clinical role of a pair of novel mutations in BCR-ABL 1 towards therapy switch in inatinibresistant chronic myeloid leukemia	Dr. Manas Santra	Lady Tata Memorial Trust	14/12/2021	13/12/2024
29	IPA/2021/000148	Precision antibodies engineering centre (PACE)	Dr. Akanksha Chaturvedi	SERB	03/03/2022	02/03/2027
30	SPR/2021/000352	Understanding the functions of Annulate Lamellae, an underexplored cell organelle	Dr. Jomon Joseph	SERB	22/03/2022	21/03/2025
31	58/39/2020-PHA/BMS	System regulatory networks of autophagy proteins in leishmania: Implication towards drug design	Dr. Shailza Singh	ICMR	28/03/2022	27/03/2025
32	BT/NCCS/Administrative Matter-Scientists/2022 (CEFIPRA)	A novel function for a conserved bio-amine in long-term memory and RNA granule remodeling-No. 6503-E	Dr. Amitabha Majumdar	IFCPAR	01/07/2022	30/06/2025

33	SRG/2022/000126	Specific adaptations and metabolic potentials of previously unknown psychrophilic prokaryotes from the Antarctic environment	Dr. Avinash Sharma	SERB	14/10/2022	13/10/2024
34	IA/E/17/1/503700	Discovery of novel antimicrobials from uncultured micro-organisms against the multidrug resistance bacteria	Dr. Avinash Sharma	DBT-WELLCOME	01/09/2019	31/08/2024
35	BT/PR43190/MED/97/573/2021	Characterization of the effect of pathogenic Cltc variants in early development	Dr. Deepa Subramanyam	DBT	14/09/2022	13/09/2025
36	RAD-22017/19/2022-KGD-DBT	Genomic Surveillance for SARS-CoV-2 in India : Indian SARS-CoV-2 Genomics Consortium (INSACOG) - Phase - II Component A : Sentinel Surveillance Component B :Sewage Surveillance	Dr. Dhiraj Dhotre	DBT	29/12/2022	28/12/2023
37	DST/INSPIRE/04/2018/002808	Investigating molecular mechanisms governing the proliferation - differentiation balance in adult stem cells during chronic infections	Dr. Prasad Abnave	DST	25/07/2019	24/07/2024
38	5/13/46/2022/NCD-III	To develop therapeutic leads to counter PD-L1 mediated suppression of immune system in cancer microenvironment	Dr. Manas Santra	ICMR	20/03/2023	19/03/2026
39	2021-10212/GENOMICS/AD-HOC-BMS	Identification and Validation of Neoantigens in a syngenic mouse model of Overrain cancer	Dr. S. A. Bapat	ICMR	17/04/2023	16/04/2026
40	BT/PR44676/MED/30/2399/2022	Charatacterization of Pseudogene-like CTs in overian cancer	Dr. S. A. Bapat	DBT	24/01/2023	23/01/2026
41	BT/ Pune - Biocluster /01/2015	Establishment of A Pune Biotech Cluster, "Model Organism to Human Disease.	Director	DBT	29/06/2018	28/06/2024
42	CRG/2019/004159	Deciphering the role of long noncoding RNAs (lncRNAs) in mediating replication stress response during cell division	Dr. Vidisha Tripathi	SERB	21/02/2020	20/05/2023
43	BT/PR23968/BRB/10/1602/2017	Human Microbiome Initiative of select Endogamous Population of India	Dr. Dhiraj Dhotre	DBT	09/03/2020	08/06/2023

44	DST/INSPIRE/04/2017/001 906-202	Dissecting Formin-2 Function and Regulation: Insights into Novel Modalities of Cytoskeleton Remodeling	Dr. Priyanka Dutta	DST	01/05/2018	30/04/2023
45	BT/PR30450/MED/31/399 /2018	Role of actin remodelling and membrane fluctuations in regulation of embryonic stem cell pluripotency	Dr. Deepa Subramanyam	DBT	05/07/2019	04/07/2023
46	NAS/442/11/18-19	Regulation & differentiation of T helper 17 & T regulatory cells in collagen induced arthritis by modulating antigen presenting dendritic cells.	Dr. G.C. Mishra	NASI	16/11/2018	02/09/2023
47	JCB/2020/000020	J C Bose Fellowship	Dr. Arvind Sahu	SERB	28/10/2020	30/06/2023
48	JCB/2017/000047	J C Bose Fellowship	Dr. Debashis Mitra	SERB	18/05/2018	28/05/2023
49	82(431)/2020-PMF-199	DBT - NCCS CDL Vaccine Testing Facility	Dr. Punam Nagvenkar, Dr. Yogesh Shouche	PM CARE FUNDS	13/01/2021	Active