

सीएसआईआर - भारतीय रासायनिक जीवविज्ञान संस्थान
 CSIR - Indian Institute of Chemical Biology
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The following are the list of CSIR funded projects

4.5.4 List of schemes/ projects/ programme underway						
Sl. No.	Project Code	Project Title	Dated of commencement	Date of completion	Total Cost (Rs. In Lakhs)	
1	FTT070504	Development of PROTACs for Targeted Protein Degradation via Small Molecule-Protein Engineering: A Promising New Approach for Treating NAFLD/NASH	01.04.24	31.03.26	147.000	
2	RDS000001	Identification of modulators from natural origins that impede β -amyloid induced proteasome inhibition	01.04.2024	31.03.26	50.60	
3	RDS000002	Deciphering the crosstalk between hepatic steatosis and Atherosclerosis: Modulating the AEBP1-PPAR γ axis in maintaining cholesterol Homeostasis	01.04.2024	31.03.26	49.40	
4	RDS000003	Seeding excellence: advancing cellular therapies for key Indian diseases	01.04.2024	31.03.26	60.00	
5	RDS000004	Optimizing Guanosine-based Biomaterial Synthesis with Machine Learning for Artificial Skin Generation	01.04.2024	31.03.26	40.00	
6	FBR070304	SMASH-ACT: Small Molecule mTOR modulation	01.04.2024	31.03.26	69.900	

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		for Adoptive T cell Therapy (ACT)				
7	FBR070305	Vesicular Transmission of Flavivirus & Its Role in Neurodegeneration	01.04.2024	31.03.26	69.440	
8	FCP512406	National facility for secondary and tertiary (preclinical validation) screening of small molecules and phytopharmaceuticals against India's dominant diseases	01.04.2024	31.03.29	534.000	
9	FIR070304	Mechanistic understanding of tumor suppressor role of human EAF1 in renal cell carcinoma through regulation of selective expression of apoptotic genes.	01.04.2024	31.03.2026	99.000	
10	HCP-40	PAN CSIR CANCER RESEARCH PROGRAM making Cancer care affordable empowering womens health : Focusing on breast and gynaelological cancers of Indian Relevance	29.06.2021	31.03.2026	1,008.100	
11	HCP-43	Indian Breast Cancer Genome	02.11.2021	31.03.2026	175.500	

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		Atlas				
12	HCP-47	Phenome India- CSIR Health Cohort Knowledgebase	31.08.2022	31.03.202 7	1,044.360	
13	HCP-49	Innovative processes and technologies for Crop Protection Chemicals (Agromission 2)	11.04.2023	31.03.202 6	199.888	
14	HCP-101	CSIR Jigyasa II virtual laboratory integration project	14.09.2021	31.03.202 6	86.500	
15	MMP0752 01	Phytopharmaceuti cal Mission, Phase III	01.04.2024	31.03.202 7	292.520	
16	MMP0752 02	A comprehensive approach to address Antimicrobial resistance AMR	01.08.2024	31.03.202 7	495.140	
17	MMP0752 03	Comprehensive analysis of niche specific microbial dysbiosis in human diseases MICROBIOME MISSION	19.05.2025	31.03.202 8	388.500	
18	MMP0752 04	Advancing Cellular Therapies for Cancers and Inflammatory Disorders A Comprehensive Indian Initiative ACT CID	21.05.2025	31.03.202 8	1,332.770	
19	MMP0352 03	Active Pharmaceutical Ingredients for	21.05.2025	31.03.202 8	123.400	

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		Affordable Health Care				
20	MMP015203	CSIR league for AI based industrial manifestation CLAIM	03.06.2025	31.03.2028	150.623	
21	HCP002502	CSIR Integrated Skill Initiative Phase III	16.06.2025	31.03.2030	350.000	
22	PEF P50	Prioritized Equipment Fund (PEF) to procure "600 MHz NMR"	01.04.2024	31.03.2026	800.000	

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The following are the list of Externally Funded Projects

1. Extramural Ongoing Projects (2025-26)

Sl. No	PI Name	Project title	Project Code	Approved Cost (Rs. In Lakhs)	Start Date	End Date
1	Dr Sucheta Tripathy	Platform integration for high through-put multi omics data analysis and text processing	GAP-447	227.21	07.03.2022	06.03.2027
2	Dr.Sudipta Das	Membraneless nuclei demixing by surfactant proteins and phase separation during asymmetric nuclear division of intraerythrocytic closed mitosis of Plasmodium Falciparum	GAP-450	84.31	04.10.2023	03.10.2026
3	Dr. G Senthil Kumar	Evaluating the epigenetic adaptatoin of COL4A1, COL4A2 as a potential therapeutic target for early pathological events in diabetic retinopathy	GAP-460	28.43	20.03.2023	19.03.2026
4	Debabrata Biswas	Mechanistic understanding of functional role of human TRIM28 and ELL in eukaryotic transcriptional regulation involving NELF complex	GAP-463	61.77	18.07.2023	17.07.2026
5	Dr. Debabrata Biswas	Mechanistic understanding of dynamic regulations of SEC functions	GAP 464	443.24	01.09.2023	31.08.2028

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		during genotoxic stress-dependant global transcriptional inhibition and subsequent recovery for efficient DNA repair and cell survival				
6	Dr. Siddhartha Roy	Elucidating the structural and functional role of TONSL, a novel histone chaperone and chromatin dependent DNA damage response protein in SPONASTRIME Dysplasia, a rare skeletal dysplasia in human	GAP 465	50.26	11.09.2023	10.09.2026
7	Dr. Joy Chakraborty	Impact of Voltage-dependant anion-selective channel 1(VDAC1) protein mitochondrial shaping and dynamics	GAP 466	47.98	04.10.2023	03.10.2026
8	Dr. Krishnananda Chattopadhyay	Developing leishmanial kinetoplastid membrane protein-11 as a possible target to block host invasion b Leishmania donovani	GAP 467	79.56	29.09.2023	28.09.2026
9	Dr. Siddhartha Roy	Structural characterization of zinc finger MYND domain containing protein with GATAD2A subunit of NuRD complex implicated in Neural	GAP 468	74.33	21.09.2023	20.09.2026

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		Differentiation				
10	Dr. Sucheta Tripathy	Development of clinical data repository and analysis platform for disease detection and prognosis	GAP 469	16.97	06.11.2023	05.11.2028
11	Dr. Sucheta Tripathy	National Network Component	GAP 472	90.16	06.11.2023	05.11.2028
12	Dr. Subhajit Biswas	Study of infection dynamics of Leishmania donovani in the presence of Lepsy NLV1 virus : Role of the virus	GAP 473	113.46	06.02.2024	05.02.2027
13	Dr. Sujoy Kumar Das	Development of antimicrobial peptide tagged nanoformulation for targeted combination therapy against Pseudomonas aeruginosa	GAP 474	28.13	09.02.2024	08.02.2027
14	Dr. Krishnananda Chattopadhyay	Mutation aggregation profiling of Amyotrophic lateral sclerosis (ALS) patients in West Bengal	GAP 475	65.79	18.01.2024	17.01.2027
15	Dr Sourish Ghosh	Role of Mother-Neonate Dyad Interaction in Resolving Pediatric Viral Infection	GAP 477	354.89	01.03.2024	28.02.2029
16	Dr. Amit Kumar Srivastava	Chemo preventive effects of Opuntia elatior fruits against Chemotherapy-Induced toxicity in Ovarian Cancer Pre	GAP 478	37.65	22.03.2024	21.03.2026

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		clinical models				
17	Dr. Prem Prakash Tripath	Evaluation of neuroprotective potential of Bhrami Ghrita, Panchgavya Ghrita and Ayush 56 in Epilepsy model, its functional significance and mechanism	GAP 479	42.27	22.03.2024	21.03.2026
18	Dr. Amitava Sengupta	Harnessing epigenetic dependencies for immunomodulation in acute myeloid leukemia	GAP 480	100.00	28.03.2024	27.03.2027
19	Dr. Amitava Sengupta	Understanding nucleosome remodeler plasticity in human acute myeloid leukemia pathogenesis	GAP 481	15.00	06.03.2024	05.03.2027
20	Dr. Rupasri Ain	Odd-skipped related-1 in cardiac hypertrophy	GAP 482	57.05	30.04.2024	29.04.2027
21	Prof. Vibha Tandon	Functional characterisation of patient derived single cell spheroids from Oral Squamous Cell Carcinoma to decipher clinical heterogeneity: A Tool for drug Screening and Radiation Sensitivity	GAP 483	96.80	22.03.2024	21.03.2027
22	Dr. Sourish Ghosh	Tuning Lipid Droplets for Antiviral Interventions in Brain	GAP 484	79.42	20.05.2024	19.05.2027
23	Dr. Partha Chakraborti	Understanding the functional role of co-activator binding	GAP 485	31.67	05.07.2024	06.07.2027

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		protein PIMT in macrophage mediated insuling resistance in rodents and humans				
24	Dr. Rupasri Ain	Long coding RNA signature and function in trophoblast stem cell differentiation	GAP 486	70.00	11.07.2024	10.07.2027
25	Dr. Rupasri Ain	Decoding the epigenetic foot-print in vascular smooth cells induced by trophoblast cells : Implications in placental morphogenesis	GAP 487	71.20	23.09.2024	22.09.2027
26	Dr. Sourish Ghosh	Role of small non-coding RNAs sorted inside extracellular vesicles for RNA persistence	GAP 488	38.23	28.10.2024	27.10.2027
27	Dr. Deepak Kumar	Towards Discovery and development of novel drugs and pharmaceuticals	GAP 490	976.30	27.01.2025	26.01.2027
28	Dr. Saikat Majumder	Elucidating the role of aberrant IL-17 neutrophil axis in driving Type I diabetes pathogenesis	GAP 491	72.00	10.03.2025	09.03.2028
29	Dr. U. Mabalirajan	Spontaneous emhysema like features in Smar-1 knockout/knockdown mice : Tool/platform for COPD drug discovery	GAP 492	93.52	01.08.2025	31.09.2027
30	Dr. Debasis Nayak	Restoring CNT3 expression for boosting of	GAP 493	61.07	10.06.2025	09.06.2028

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		antitumor immunity and suppressing pancreatic cancer progression				
31	Dr. Saikat Majumder	Investigating the IL-17A- neutrophil axis and microbiome interactions in the pathogenesis of ulcerative colitis : Towards targeted immunotherapies	GAP 494	61.56	10.06.2025	09.06.2028
32	Dr. John Mondal	Carbonic anhydrase mimetic Zn (II) metalated porous organic photopolymers for converting Co ₂ to formic acid in visible light	GAP 495	34.97	13.12.2024	05.09.2026
33	Dr. Dhableswar Patra	ABCA5 as a therapeutic target : Enhancing cholesterol efflux and HDL formation in cardiovascular disease	GAP 497	56.93	11.07.2025	10.07.2028
34	Dr. John Mondal	conversion of CO ₂ to Ethylene with Homo/ Heterometallic Photo-Responsive Porous-Organic-Polymers	GAP 498	29.73	18.01.2024	17.01.2027
35	Dr. Siddhartha Roy	Structural elucidation into NIPBL promoter interactions: Novel insights for understanding cornelia de lange syndrome (CdLS) : a rare disease in human	GAP 499	82.40	18.07.2025	17.07.2028

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36	Dr. Susanta Kar	IND enabling studies on a novel liposomal amphotericin B for treatment of Kala-azar and fungal infections in rodents	GAP 500	289.288	01.11.2025	31.10.2028
37	Dr. G Senthil Kumar	Elucidating the role of IGSF21 in retinal neurodegeneration and metabolic memory phenomena of Diabetic Retinopathy	GAP 501	49.624	27.08.2025	26.08.2028
38	Dr. Sucheta Tripathy	Decoding the genomic context for understanding seed recalcitrance and seedling drought response in Shorea robusta	GAP 502	45.413	27.06.2025	26.06.2028