

## Funded projects

### *Ongoing*

S. No.	Project Title	Principal Investigator	Funding Agency	Duration	Funds
1.	External Quality Assurance Scheme (EQAS) of National HIV/AIDS Reference Laboratory, AIIMS, Delhi	Dr. Bimal Kr. Das	NACO	Continuous	12,00,000
2.	HIV integrated counseling and testing (ICTC)	Dr. Bimal Kr. Das	NACO	Continuous	10,00,000
3.	CD4 testing program	Dr. Bimal Kr. Das	NACO	Continuous	25,000
4.	Detection of salmonella serovars and their associated resistance marker directly from blood specimen using paper based DNA biosensor	Dr. Bimal Kumar Das	Funded by ICMR	2 YEAR	1,35,00,000
5.	Bacteriophage cocktail for the treatment of acute respiratory infection caused by MDR ESKAPE pathogen	Dr. Bimal Kumar Das	Funded by ICMR	3 years	40,00,000
6.	Setting up of Infectious Disease Research and Diagnostic Laboratories	Dr. Bimal Kumar Das	Funded by ICMR	5 years	7,00,00,000
7.	Pan-India Surveillance of Acute Diarrhoeal Disease through DHR-ICMR	Dr. Bimal	Funded by	3 years	1,00,00,000

	IRDL/VRDL Network	Kumar Das	ICMR		
8.	DHR-ICMR Infectious Disease Research and Diagnostic Laboratories (IRDL) Network Laboratory	Dr Lalit Dar	DHR-ICMR	Continuous	~ 8.0 crore
9.	Regional Virus Research and Diagnostic Laboratory (RL-VRDL)	Dr Aashish Choudhary	DHR	10 years	~ 9.86 crore
10.	NACO Regional Reference Laboratory for HIV (EID)	Dr Aashish Choudhary	NACO	Ongoing	~ 1.06 crore
11.	NACO Regional Reference Laboratory for HIV Viral Load	Dr Aashish Choudhary	NACO	Ongoing	~ 64 lakhs
12.	Expanded viral etiological investigation of genital ulcer disease (GUD) with phenotyping and genotyping for antiviral drug resistance in herpes simplex viruses	Dr Megha Brijwal	ICMR	3 years	~ 59 lakhs
13.	Quantification of JC Polyomavirus in CSF samples from suspected Progressive Multifocal Leukoencephalopathy patients by Digital PCR	Dr Megha Brijwal	AIIMS	1 year	~5 lakh

14.	Enhancing Infectious Disease Diagnosis Quality: External Quality Assurance Program	Dr Megha Brijwal	ICMR	3 years	50 lakhs
15.	Strengthening Laboratory Quality Systems in VRDL Network to Achieve NABL Accreditation	Dr Megha Brijwal	ICMR	2 years	149,00,000
16.	HSV seroprevalence and asymptomatic viral shedding in pregnant women at the time of delivery - A Prospective Study	Dr Megha Brijwal	AIIMS	2 years	2 lakh
17.	ICMRs: Advanced Mycology Diagnostic and Research Centre (AMDRC)	Prof Immaculata Xess	ICMR	4 years	250 lakhs
18.	ICMRs: Infectious Disease Research and Diagnostic Laboratories (IRDL)	Prof Immaculata Xess	ICMR	2 years	120 lakhs
19.	Development and validation of novel Candida Leucine aminopeptidase 2 based immunoassay for the diagnosis and prognosis of invasive candidiasis among patients with cirrhosis	Dr Gagandeep Singh	ICMR	3 years	16 lakhs
20.	Evaluating the association of antifungal resistance, vaginal microbiome, host genetic and	Dr Gagandeep	ICMR	3 years	40 lakhs

	immune factors in women with recurrent vulvovaginal candidiasis.	Singh			
	Development of Innovative Diagnostics for Fungal Diseases in India: Addressing a Neglected Public Health Concern.	Dr Gagandeep Singh	ICMR	3 years	120 lakhs
21.	Operational Feasibility and performance of indigenous phenotypic kit for detection of multidrug resistant tuberculosis and extensively drug resistant tuberculosis in field setting under the National Tuberculosis Elimination program. Sanctioned by ICMR, New Delhi; 2022-26.	Dr Urvashi B Singh	ICMR	3 years	86.42 Lakhs
22.	Validation of Indigenously Developed Diagnostic kit based on Detection of Proteomic markers from Urine for Diagnosis of Pulmonary and Extra-pulmonary Tuberculosis. Sanctioned by ICMR, New Delhi; 2022-26	Dr Urvashi B Singh	ICMR	3 years	13.24 Lakhs
23.	Development of Surface Plasmon Resonance Array Biosensor for Rapid Molecular Drug Resistance	Dr Urvashi B Singh	ICMR	2 years	44.72 Lakhs

	Detection for MDR and XDR TB				
24.	A Preclinical Study to evaluate synergistic action of Rifampicin with Faropenem and Cefdinir on persister Mycobacterium tuberculosis bacilli in mouse model,. Sanctioned by AIIMS.	Dr Urvashi B Singh	AIIMS-THSTI	2 years	10 Lakhs
25.	Molecular characterisation of isoniazid (INH) monoresistance in tuberculosis and correlation with clinical outcome.	Dr Kiran Bala	AIIMS	2 years	2 Lakh
26.	Validation of blood based transcriptional biomarkers for diagnosis of extrapulmonary tuberculosis.	Dr Kiran Bala	AIIMS-IGIB	2 years	20 Lakh
27.	"Proteomics study of <i>Giardia intestinalis</i> isolates to associate with different clinical spectrum and extrapolate its invasive potential".	Dr Nishant Verma	ICMR	3 years	48 lakhs
28.	Characterization of human antibody responses to <i>Plasmodium vivax</i> in India".  (Through INSPIRE faculty	Prof B R Mirdhha	DST	5 years	7 crores

	programme)				
29.	Detection of <i>Mycoplasma pneumoniae</i> infections in acute exacerbation of Chronic Obstructive Pulmonary Disease	Dr Tanu Sagar	AIIMS	2 years	980000/-
30.	Establishment of Centre of Advanced Research for Bacteriophage Research and Therapy to combat Multidrug Resistant infections caused by ESKAPE pathogens	Dr Tanu Sagar	ICMR	5 years	71873227/-
31.	Exploring SELEX technology for potential POCT development for Genital <i>Chlamydia trachomatis</i>	Dr Seema Sood	ICMR	3 years	50 lacs
32.	Point-of-care test development for Bacterial Vaginosis (BV): Bench to bedside (Clinical validation of proof-of-concept)	Dr Seema Sood	ICMR	3 years	75 lacs
33.	Detection and Molecular Characterization of <i>Diarrheagenic Escherichia coli</i> as a cause of morbidity and mortality in children under 5 years of age presenting with acute diarrhea	Dr Hitender Gautam	DHR	3 years	20,42,367/-

34.	Platform for enhanced pathogen detection for meningitis and sepsis: Rapid, portable, and field-deployable diagnostics. IIRPIG-2023-0001405	Dr Hitender Gautam	ICMR	4 years	93,46,030/-
35.	Identification of Novel nucleic acid signatures of AMR in ESKAPE pathogens: Role in antimicrobial resistance detection and antimicrobial stewardship	Dr Hitender Gautam	AIIMS-IGIB	2 years	10 Lakhs
36.	“Investigating the Role of Non-Coding RNAs (miRNAs and lncRNAs) in Modulating Antimicrobial Resistance Mechanisms in Aerobic Bacteria Isolated from Blood and Cerebrospinal Fluid Infection”. ICMR 2026-2029.	Dr Hitender Gautam	ICMR	3 years	Rs. 31,84,966
37.	Platform for discovery of novel therapeutic monoclonal antibodies against MDR and XDR <i>Klebsiella pneumoniae</i>	Dr Sarita Mohapatra	DBT-BIRAC	3 years	Rs. 4,88,840.00
38.	Micro-nano structured urinary catheter to minimize catheter-associated urinary tract infection	Dr Sarita Mohapatra	MoE-STARS	3 years	Rs. 3,55,622.00

39.	OH-AMR Diag: Novel technological solutions for rapid detection and screening of AMR from a One-Health perspective	Dr Sarita Mohapatra	Research Council Norway	3 years	Rs. 15,78,047.00
40.	CRISPR/Cas9 approach targeting virulence and resistance genes of uropathogenic <i>Escherichia coli</i> -uncovering its therapeutic potential in urinary tract infection	Dr Sarita Mohapatra	ICMR	3 year	Rs. 26,72,927.00
41.	Label-free multiple-beam excitation and plasmon enhanced Raman spectroscopy for rapid and label-free molecular detection of bacteria strains: A point-of-care fast and accurate molecular testing technique.	Dr Sarita Mohapatra	MoE-STARS	3 years	Rs. 3,50,000.00
42.	Comparative genomic and epigenetic analysis for identification of novel biomarkers of uropathogens causing recurrent Urinary Tract Infection.	Dr Sarita Mohapatra	BFI BIOME	2 years	Rs. 20,92,838.00
43.	UTI Diag: Reducing the burden of antimicrobial resistance- urinary tract infection using innovative and scalable	Dr Sarita Mohapatra	Research Council Norway	3 years	Rs. 32.83 Lacs

	rapid diagnosis				
44.	Effect of pancreaticoduodenectomy for periampullary carcinoma on the intestinal microbiome	Dr Priyam Batra	AIIMS	2 years	Rs 10,00,000
45.	Investigating the role of Fecal microbiota Transplantation in Immune and Metabolic Alterations in Type 1 diabetes: A Randomized Controlled Trial	Dr Priyam Batra	ICMR	3 years	Rs 1,50,00,000
46.	Development of Sensor Integrated Automated Feedback System for Hand Hygiene Compliance Regulation in Healthcare Settings	Dr Priyam Batra	AIIMS-IITD-UCL	1 year	Rs 5,00,000