

**ICMR-NATIONAL INSTITUTE OF CHILD HEALTH AND DEVELOPMENT
RESEARCH
Annual Report of ICMR
FY 2024-25**

Parameter	Details
Institute Name	ICMR – National Institute of Child Health and Development Research (NICHDR)
Reporting Year	April 2024 – March 2025
Total Projects Received	Intramural Grants from ICMR Completed: 6 / Ongoing: 5 / New: 4 Grants other than ICMR Completed: 1 / Ongoing: 4 / New: 1
Total Budget (Sanctioned (ICMR and Others) vs Utilized) 2024-25	Rs 52283269 (ICMR and Others)/ Rs. 48110954(utilized)
ICMR	Rs. 46807117
Others	Rs. 5476152
Total ICMR Budget utilized	Rs.47348204
Key Collaborations (National/Intl)	AIIMS Bhubaneswar, AIIMS Jodhpur, ESI hospital, GMC Jammu, VMMC and Safdarjung Hospital, RMRIMS Patna, RMRC, Bhubaneswar, St. John’s Medical College, MGIMS Sevagram, IIT Bombay, IIPH, Shillong.

I- Detailed Information Template: General

a) Information on field units/field stations

S. No.	Name of the centre and Place	Main activities
1.	ICMR-National Institute of Child Health and Development Research New Delhi. MRHRU, Bhunga (Punjab) and MRHRU, Khag (J&K)	Research, Surveillance, diagnostic, investigation

b) Information on Human Resources

Category	Number (Regular)	Number (Contractual/Project)	Number (Consultants)	Remarks (e.g., Retired, Vacant, Transferred)
Scientific Staff	5	9	2	-
Technical Staff	40	58	-	-
Administrative Staff	12	12	-	-

c) Significant/ notable contributions in research last year

- Novel Findings (First in the World/ India) eg. Vectors, pathogens strains etc- NA
- New Health Technologies
 - Diagnostics: A novel DBS (Dried blood spot) based kit for leukemia transcript determination has been applied for patents in the Indian Patents office. A multi centric field validation study has been initiated by ICMR- ref NHRP-ICMR funded project entitled "A diagnostic randomized controlled trial to study to validate novel DBS based technology for prognosis and screening for leukemia transcripts" sanction ref no EM/Dev/NHRP-2023-0001854 (e office-179369)
 - Device: NA
 - Vaccines: NA
 - Therapeutics: NA
- Data for Decision making (Any registries or any other form of data collection for the decision making)- NA

- Improved Clinical or Public Health Care: FISH (Fluorescent in Situ Hybridization) Facility initiated as a part of Advanced Molecular diagnostic and research facility, offering diagnostic services to pediatric solid tumors including gliomas and abdominal solid tumors.
- Programme Support: NA
- Any Other: NA

II- Detailed Information Template: Research

A. Intramural Research Projects

A.1 Completed Intramural Research Projects in FY 2024-25

S.No.	Intramural Project Grant ID	Project Title	Project Area (4 Ds)	Major Outcomes (Bullet Points for Policy and Practices/ Publications Technologies/Products developed from the project)	Collaborating Institutes
1.	ICMR ID-2020-4900	Old Drugs New Tricks: Drug Repurposing for Psoriasis Treatment Using In-silico Approach	Discovery	2 Publications (1 Published and 1 accepted)	NA
2.	ICMR- ID-2019-3049	Developing predictive model for the early detection of Intrauterine Growth Restriction (IUGR) in new-borns from polycyclic aromatic hydrocarbons concentration (PAHs) in maternal blood	Descriptive	Significant leads generated Publications Submitted	Safdarjung Hospital
3.	ICMR- ID-2017-0322	Integrative analysis of psoriasis transcriptome for identification of potential therapeutic targets	Descriptive	Significant leads generated Publications Submitted	Safdarjung Hospital
4.	ICMR	Immune status against SARS-CoV-2 among COVID-19 vaccinated adults in India: A health facility-based multicentric serial cross-sectional survey	Communicable diseases	Significant leads generated Publications Submitted	MRHRUs

5.	ICMR- Proposal ID 2021-3994	Chronic stool shedding, blood antigenemia, and identification of novel biomarkers as predictors for development of MIS-C in children exposed to SARS CoV2 infection	ECD	Zonulin and endocan are significant biomarkers for gut associated injury and Sero surveillance for chronic Covid status.	VMMC and Safdarjung Hospital
6.	ICMR	Application of new tools for molecular diagnosis and surveillance of post kala- azar dermal leishmaniasis (PKDL) and cutaneous leishmaniasis in India	ECD	Significant leads generated Publications Submitted	GMC, Jammu, ESI Hospital, Faridabad, AIIMS Jodhpur

A.2 Case Study on Best (One) project completed (based on its translational potential with supporting documents including high resolution images) - NA

A.3 Ongoing Intramural Research Projects from ICMR (Funding Received in Previous FY 2023-24)

S.No.	Intramural Project Grant ID	Project Title	Project Area (4 Ds)	Major Outcomes (Bullet Points for Policy and Practices/ Publications Technologies/Products developed from the project)	Collaborating Institute
1.	56/05/2022-Hae/BMS	Identification of novel synergistic inhibitors by studying differences in sensitivity towards pathway regulators and triple inhibitors of I3K/Akt/mTOR axis in T cell ALL	Descriptive	1. Role of synergistic inhibition is proved superior to isolated inhibition in the PI3kinase Akt and mTOR pathway in T-ALL. 2. GSK690693 the Akt inhibitor showed the most effective IC50 in all the three cell lines as compared to other inhibitors. 3. Perifosine showed the least effective drug with least inhibitory effects in all the three cell lines as compared to others.	Department of Pediatrics, VMMC & Safdarjung Hospital, New Delhi
2.	ICMR	OMNIVEC-India: Designing and implementing a digital OMNI-	Descriptive and Delivery research	NA	1. ICMR-RMRC, Bhubaneswar 2. St. John's Medical

		channel Community Engagement and Risk Communication intervention for prevention and control of Vector- borne Diseases across India			College (Bangalore) 3. MGIMS, Sevagram, 4. IIPH, Shillong
3.	ICMR	Acceleration of TB Elimination of India District	CD	Ongoing task force project	Task force project in collaboration with CTD and Administration of Chandigarh district
4.	ICMR	A phase II, multicentre, randomized, two- arm blinded study to assess the efficacy and safety of two LXE408 regimens for treatment of patients with primary visceral leishmaniasis (VL)	Communicable diseases	NA	RMRIMS, Patna
5.	ICMR	Establishment of an automated diagnostic support system to detect oral lesions from cytology images	Development	Prototype development is complete	IIT Bombay

A.4 New Intramural Research Projects (Funding Received in the year 2024-25)

S.No.	Intramural Project Grant ID	Project Title	Project Area (4 Ds)	Major Outcomes (Bullet Points for Policy and Practices/ Publications Technologies/Products developed from the project)	Collaborating Institute
1.	INTR-IG-2023-02-0014	Development of a 3D tumor model to validate the therapeutic potential of targeting immunogenic cell death, angiogenic factors, and their regulators in drug-resistant T-ALL	Development	Expected Outcomes: 1. Role of ICD and angiogenesis in an effective in-vitro 3 D model in drug-resistant leukemia 2. Development of a validated 3-D model for therapeutic screen and pharmacological testing in drug-resistant leukemia 3. Proof of concept that leukemic cells become more immunogenic after induction of ICD, thus paving the role of the use of novel chemotherapeutic drugs in low-resource settings.	Department of Pediatrics, VMMC and Safdarjung Hospital

2.	Intramural Ignition Grant	Identification of Risk Factors of Gallbladder Cancer and Its Hotspot Mapping in Delhi NCR: A Pilot Study	Descriptive	Expected Outcomes: 1. Identification of geographic hotspots with a higher incidence of GBC cases through GIS mapping. 2. Identification and assessment of potential risk factors associated with GBC in the identified hotspots, which may be targeted for the implementation of interventions strategies to prevent and control of GBC in future. 3. Identification of possible contaminants or factors in potable water associated with GBC within hotspots, proving critical information for public health measures. 4. Development of prediction model for identification of GBC cases by screening the high-risk population of Delhi NCR.	AIIMS New Delhi VMMC & Safdarjung Hospital
3.	Sanction ref no EM/Dev/ NHRP-2023-0001854 (e office-179369)	ICMR funded project entitled "A diagnostic randomized controlled trial to study to validate novel DBS based technology for prognosis and screening for leukemia transcripts"	Development	1. Field validation study for novel DBS (Dried blood spot) based kit (patent applied by ICMR) for leukemia transcript determination	1. Department of Pediatrics, AIIMS Bhubaneswar 2. Department of Pediatrics AIIMS Jodhpur, 3. Department of Pediatrics, VMMC & Safdarjung Hospital, New Delhi 4. Department of Hematology, VMMC & Safdarjung Hospital, New Delhi
4.		Artificial intelligence-based tool development for detection of breast and oral cancer	Development	2. NA	IIT

B. Extramural Projects Received by ICMR Institutes

B.1. Completed Extramural Research Projects (Not ICMR) received from National Agencies FY 2022-2023 or 2023-24

S.No	Funding Agency	Project Title	Project Area	Collaborating Institute	Project Year	Major Outcomes (Bullet Points for Policy and Practices/ Publications Technologies/Products developed from the project)

1.	DHR-12012/04/2022-HR (IPEM-MRHRU)	Development of Primary Health Care Models on Palliative Care, Elderly Care and Mental Health	Development research	Nil	2022-24	Nil
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B.2. Ongoing Extramural Research Projects received from International Agencies FY 2023-2024

S.No	Funding Agency	Project Title	Project Area	Collaborating Institute	Project Year	Major Outcomes (Bullet Points for Policy and Practices/ Publications Technologies/Products developed from the project)
1.	DHR	Study on relationship between air pollution exposure of pregnant women and epigenetic changes mediated by AhR/CYP1A signaling pathway with the risk of intrauterine growth restriction	Descriptive Research	Safdarjung Hospital	2023-2026	Nil
2.	DHR	Integrated Primary Health Care Models for mental Health, Elderly Care and Palliative care by public health care system of HWCs (SHC/PHC-Punjab)	NCD	MRHRU's	2023-2026	Nil
3.	DHR-funded Grant in Aid	Digital Health Intervention to enhance self-management of Metabolic Syndrome (MetS) among adults living in urban poor settings	NCD	FHTS	Third Year 2022-2025	The project is nearing deployment of the digital health intervention, with a refined design based on stakeholder feedback, enhanced engagement strategies, and completed analysis of Phases I and II. Lab setup, logistics, and team training are in place to ensure smooth implementation. Intervention sites in Delhi's urban poor areas have been selected, and the application has been tested and updated to align with community needs.
4.	DST-SERB	CRISPR-Cas System in Acinetobacter baumannii: role in bacterial fitness, antibiotic resistance and implications for antibacterial therapy under	CD		2024-2026	Nil

B.3. New Extramural Research Projects received from International S& T Agencies FY 2024-2025

S.No.	Funding Agency	Project Title	Project Area	Collaborating Institute	Project Year	Major Outcomes (Bullet Points for Policy and Practices/ Publications Technologies/Products developed from the project)
1.	CSIR-Aspire Grant Ref. 37WS(065)/2023-24/EMR-II/ASPIRE	Exploring autophagy, angiogenesis and tumor micro-environment in therapeutic resistance in MLL rearranged Leukemia	Childhood leukemia	VMMC & Safdarjung Hospital, New Delhi	VMMC & Safdarjung Hospital, New Delhi	Nil Funds Awaited

B. Capacity building and training Masters/PhD

S.No	Type & Name of Programme	
	Masters	2
	Ph.D. (MAHE)	4
	Ph.D. (AcSIR-FMR)	3
	Post-Doctoral Fellow	4
	Others	1 (ICMR-SRF), 10(M.Sc.)

C. Workshop/ Training

S.No.	Type & Name of Programme	Number of programme	Number of Participants	Nature of participants (researchers/ state officials/ ANM/ASHA etc)
1	Certificate Course	NA	NA	NA
2	Workshop	Unlocking AI for Healthcare: A Beginner's Guide to Medical Imaging for Early Diagnosis	110	Medical professionals, Industry and academia
3	Training	1	MRHRU training	MRHRU staff

D. List of publications

Provide Annexure with Publication List (Title, Authors, Year, Journal, IF)- Annexure 1

S.No	Type (Research article/ Review/ Commentary)	Number	Cumulative Impact Factor	Average Impact Factor	National/ International
1.	Research	2	5	2.5	-/2
2.	Review	8	22.23	2.778	2/6
3.	Other (Case reports, protocol)	5	31.6	6.32	1/4

F. Other Publications

3.

S.No.	Type (Book/Book Chapter/Monograph/Newsletter/Guidelines)	Number	Publisher	National/International
1.	Book Chapter	1	CRC Press (Taylor & Francis Group)	International

Provide Annexure List (Title, Authors, Year, Publisher, Volume)

1. Ashutosh Gupta, Aakansha Pathak, **Neeraj Kumar**. Chemical-Induced Alzheimer's Disease Models with an Emphasis on Therapeutic Significance and Limitation of Natural Products. *Neurodegenerative Diseases 2025* (1st edition), pages 60-77, CRC Press, eBook ISBN9781032620442

G. Services provided***Validation of Technologies***

S.No.	Name of Technology	Area	One line description	Firm/Company
	NA	NA	NA	NA

Diagnostic service provided

S.No.	Name of Disease/Health Condition	Type of Testing	Number of samples

1.	Pediatric hematological disorders- leukemia and MPNs	Molecular transcript as per WHO classification of hematolymphoid malignancies. Panels include B-ALL panel, T-ALL panel, BCR-ABL quantitative and qualitative testing and Pediatric leukemia panel.	2320 samples for peripheral blood and bone marrows
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H. Patient Care Provided

S.No.	Name of Disease/Health Condition	Type of Support	Number of patients
1.	Hematological malignancies	Diagnostic service, Morphological status, Immunohistochemistry, Molecular Transcript as per WHO classification of disease	4235 in all including Histopathological cases
2	CSF and fluids	Cerebro spinal fluid, Asictic fluid, Pleural fluid, for staging and mainatineece for Hematological malignancies	635 cases for fluid

I. Role played during disasters, emergency situations, outbreaks: NA

J. Contributions to policy

4.

S.No.	Research output included in the Policy/ Programme	Name (policy/ Programme)	Type of Document (Guideline/ Model/ Clinical etc)
NA	NA	NA	NA

K. Innovations/ patents

S.No.	Name of Technology/Product	Area	Patent (filed)	Patent (Granted)	Tech transferred	Tech Commercializ ed (Company Name)

1	PATENT filed- “A process for dried-blood-spot based extraction of RNA”.	Product patent for Molecular transcript determination in Leukemia	Application filed to IPO by ICMR-HQ, IPR division. Patent Application Number- 202411030 217	Awaited	Awaited	Awaited
2	“A sensitive and cost-effective indigenous method for optimization of yield of cell free DNA isolation from peripheral blood in leukemia samples”	Process patent for extraction of cell free DNA for liquid biopsy in solid tumors in children	Application filed to IPO by ICMR-HQ, IPR division	Awaited	Awaited	Awaited

One best case study of a technology/ product transferred or commercialized as Annexure

L. Dissemination (Exhibitions/ Conferences/ Seminars)

S.No.	Title	Type	National /International	Number of Participants
1.	Unlocking AI for Healthcare: A Beginner's Guide to Medical Imaging for Early Diagnosis	Workshop and Conference	National	110

M. Awards and honors (Not Individual but that any programme/ institute level recognition)

S.No.	Name of Award/s	National/International	Name of Programme/ Institute
NA			

N. Infrastructure developed in FY 2024-25

Infrastructure Type (e.g., Lab, MRHRU, Animal Facility, Equipment, Building, Satellite Center)	Facility Name / Description	Location	Purpose	Status (Planned/Ongoing/Completed)	Start Date	Funding Source	Remarks
1	MRHRU, Khag	Budgam (Kashmir)	For conducting population-based studies	Ongoing	2022-23	DHR	Working from a temporary building
2	MRHRU, Bhunga	Hoshiarpur (Punjab)	For conducting population-based studies	Ongoing	2014-15	DHR	Building was constructed
3	Advanced molecular diagnostic & Research facility	ICMR-NICHDR	SAC approved institutional facility for diagnostic and research	Ongoing	2020	ICMR	Multiple projects are ongoing for the molecular and diagnostic research related to hemato-proliferative neoplasms. Apart from diagnostic services offered to about 3000 patients annually. 2 patents that have been filed from the lab are research outcomes of the lab. They also help in capacity building towards training of DNB pathology students and M.Sc and Ph.D students.

O. GoI initiatives- Attached in Annexure 3

S.No.	Name of Initiative	Activities	Number of Participants
1.	National Sports Day	NA	NA
2.	Hindi Pakhwada	Hindi Pledge, essay writing and Hindi general knowledge quiz competitions	50
3.	Swachta Abhiyan	Tree Plantation, Human chain, cleaning and beautification of main gate and backyard, Shramdaan, Felicitation of Safai karamcharis	150
4.	International Yoga Day	Talk on benefit of yoga, Staff participated in a Yoga session	100
5.	Women's Day	NA	NA
6.	Vigilance Awareness Week	Staff participated in online pledge taking ceremony	150

Annual Report (2024-2025) Annexure 1 – List of Publications

1. Choudhary S, Khan S, Rustagi S, Rajpal VR, Khan NS, Kumar N, Thomas G, Pandey A, Hamurcu M, Gezgin S, Zargar SM, Khan MK. Immunomodulatory Effect of Phytoactive Compounds on Human Health: A Narrative Review Integrated with Bioinformatics Approach. *Curr Top Med Chem*. 2024;24(12):1075-1100. doi: 10.2174/0115680266274272240321065039. PMID: 38551050. **IF- 2.9**
2. Singh A, Kushwaha N, Srishwan R, Zaman S, George NG, Kamal R, Swain SK, Kaur M, Siraj F, Sharma S, Noor B. Evaluating the efficacy and impact of neutropenic diet in pediatric hematology patients: a longitudinal cohort study on adherence, clinical outcomes, and socioeconomic factors. *Frontiers in Nutrition*. 2025 Mar 17;12:1533734. **IF-4.0**
3. George NG, Rishi B, Ray S, Kaur M, Kamal R, Garg S, Mehndiratta S, Chopra N, Zaman S, Singh A, Misra A. Combinatory Flowcytometric Approach in Pediatric Acute Lymphoid Leukemia Identifies Surrogate Minimal Residual Disease Markers. *Diagnostics*. 2025 Mar 8;15(6):658. **IF-3.0**
4. B Rishi, S Zaman, F Siraj, S Vishmaya, H Dhanda Analysis of TCGA (The Cancer Genome Atlas) Data for Prognosis, Risk Categorization, and Survival of AML Patients Using Bioinformatics - Indian Journal of Medical and Paediatric Oncology, 2025. **IF-0.3**
5. M Mundra, V Sreenivasan, N Swami, K Kaur, B Rishi Persistent Generalized Lymphadenopathy: A Diagnostic Conundrum—Case Report and Review of Literature Indian Journal of Medical and Paediatric Oncology, 2024. **IF-0.3**
6. Singh A, Jain A, Tabbassum H, Siraj F, Rishi B, Misra A. Changing the paradigm of AML care in India. *The Lancet Haematology*. 2024 Jan 1;11(1):e9. **IF- 24.7**
7. Dev PP, Khunger N, Rishi B, Sharma S, Alex P. Port-Wine Stain with Rapid Hypertrophy and Nodularity: A Rare Case of Combined Capillary–Lymphatic–Arteriovenous Malformation. *Indian Journal of Dermatology*. 2024 Mar 1;69(2):202. **IF- 1.7**
8. Bhardwaj R, Agrawal U, Vashist P, Manna S. Determination of sample size for various study designs in medical research: A practical primer. *J Family Med Prim Care* 2024;13:2555-61. DOI: 10.4103/jfmpe.jfmpe_1675_23 **IF-1.4**
9. Yadav, G., Sharma, A., Hathi, UPS., Gaiind, R. and Singh, R. (2025). Development and optimization of multiplex PCR for rapid detection of type I-F1 and type I-F2 Cas cluster genes in *Acinetobacter baumannii*. *Biologicals*, 90,2025. <https://doi.org/10.1016/j.biologicals.2025.101824>. **IF- 1.2**
10. Azam, M., Das, V.N.R., Ramesh, V., Gupta, T., Topno, R.K., Dixit, K., Salotra, P., Singh, R. (2025) Rapid antigen detection test for diagnosis of post kala-azar dermal leishmaniasis: application of CL Detect™ rapid test for active case detection in the endemic area. *J Infect Dis*. doi: 10.1093/infdis/jiae497. **IF- 5.23**
11. Azam, M., Singh, S., Gupta, R., Mayank, M., Kathuria, S., Sharma, S., Ramesh, V., Singh, R. (2024) Assessment of High-Resolution Melting Curve Analysis for *Leishmania* spp. Detection in Different Clinical Manifestations of Leishmaniasis in India. *Pathogens*, 13, 759. doi.org/10.3390/pathogens13090759. **IF- 3.41**.
12. Vaitheeswaran, K.K., Gupta, B.K., Krishnan, R., Soneja, M., Vikram, N.K., Baitha, U., Singh, A., Wig, N., Azam, M., Singh, R., Garg, A., Damle, N., and Dharmashaktu, Y. (2024) Neuro-leishmaniasis with cauda equina syndrome and cranial nerve palsy: a rare manifestation of recurrent atypical visceral leishmaniasis. *BMC Infect Dis* 24, 1253. doi.org/10.1186/s12879-024-10082-z. **IF- 3.4**
13. Sharma A., Azam, M., Verma, P.K., Talwar, V., Roy, S., Veeraraghavan, B., Singh, R., Gaiind R. (2024). Application of LAMP assay for detection of carbapenem-resistant *Acinetobacter calcoaceticus*-*Acinetobacter baumannii* complex in ICU admitted sepsis patients: A rapid and cost-effective diagnostic tool. *Diagnostic Microbiology and Infectious Disease*, 110, 1. doi.org/10.1016/j.diagmicrobio.2024.116398. **IF- 2.1**
14. Ghosh S, Verma A, Kumar D, Deep DK, Ramesh V, Salotra P, Singh R. (2024) Antimony susceptible *Leishmania donovani*: evidence from in vitro drug susceptibility of parasites isolated from patients of post-kala-azar dermal leishmaniasis in pre- and post-miltefosine era. *Microbiol Spectr*. 2024 Jun 4;12(6):e0402623. doi: 10.1128/spectrum.04026-23. **IF-3.7**

15. Joshi A, Grover A, Agrawal U, Kaur H, Malhotra B, Agrawal S. Enhancement of Self-Management of Metabolic Syndrome Among Adults in Urban, Low-Income Settings of India Using Digital Health Interventions: Protocol for a Mixed Methods Study. JMIR Research Protocols. 2025 Jun 23;14(1):e40144.**IF- 1.5**

Annual Report (2024-2025) - Annexure- 2- Funding

Table 1 – ICMR –Ignition Grant Projects

S. NO.	Intramural/ Extramural/ International S&T Agencies	Priority Areas	Title of Project	Funding Agency	Total funding	Funding for FY 2024- 2025	Utilized in 2024- 25
1.	Ignition Grant	Development	Development of a 3D tumor model to validate the therapeutic potential of targeting immunogenic cell death, angiogenic factors, and their regulators in drug-resistant T-ALL	ICMR	915100.00	457550.00	0.00
2.	Ignition grant	Descriptive	Identification of Risk Factors of Gallbladder Cancer and Its Hotspot Mapping in Delhi NCR: A Pilot Study	ICMR	652000.00	326000.00	0.00

Table 2 – ICMR – Intramural Projects

S. NO.	Priority Areas	Title of Project	Funding Agency	Total funding	Funding for FY 2024- 2025	Utilized in 2024- 25
1.	NCD	Integrated Primary Health Care Models for mental Health, Elderly Care and Palliative care by public health care system of HWCs(SHC/PHC-Punjab	DHR	2452600	852182	852182
2.	CD	OMNIVEC-India: Designing and implementing a digital OMNI-channel Community Engagement and Risk Communication intervention for prevention and control of Vector-borne Diseases across India	ICMR	5257360	5257360	658215
3.	NCD	Digital Health Intervention to enhance self-management of Metabolic Syndrome (MetS) among adults living in urban poor settings.	DHR	3699480	880151	188772
4.	RCN	Study on relationship between air pollution exposure of pregnant women and epigenetic changes mediated by AhR/CYP1A signaling pathway with the risk of intrauterine growth restriction	DHR	2331720	962701	1008386

5.	NCD	Identification of novel synergistic inhibitors and difference in sensitivity towards pathway regulators and triple inhibitors of PI3K/AKT/mTOR axis in T cell A LL	ICMR	4137360	2525353	2546388
6.	ICMR-NHRP	A diagnostic randomized controlled trial to study to validate novel DBS based technology for prognosis and screening for leukemia transcripts	ICMR	48000000	10452240	6115241
7.	NCD	A pahse II, multicentre, randomized, two-arm blinded study to assess the efficacy and safety of two LXE408 regimens for treatment of patients with primary visceral leishmaniasis (VL)	ICMR	4867267	0.00	1694400
8.	NCD	Artificial intelligence-based tool development for detection of breast and oral cancer	ICMR	69353518	23287678	32086002
9.	CD	Acceleration of TB Elimination of India District	ICMR	6158600.00	863914	2053018
10.	Develop ment	Establishment of an automated diagnostic support system to detect oral lesions from cytology Images	ICMR	2756188	941988	145600.00

Table 3 Extramural Non ICMR

S. NO.	Priority Areas	Title of Project	Funding Agency	Total funding	Funding for FY 2024- 2025	Utilized in 2024- 25
1.	CD	CRISPR-Cas System in Acinetobacter baumannii: role in bacterial fitness, antibiotic resistance and implications for antibacterial therapy under	DST-SERB	4276152	0.00	762750
2.	Pediatric leukemia	Exploring autophagy, angiogenesis and tumor micro-environment in therapeutic resistance in MLL rearranged Leukemia	CSIR	1200000	0.00	0.00

Annexure 3- GoI initiatives

A. Hindi Pakhwada, we held essay writing and Hindi general knowledge quiz competitions! Scientists, staff and students kicked off the events by taking the Hindi Pledge. Everyone participated with great enthusiasm! Prizes were distributed to the winners.

हिंदी पखवाड़ा के अवसर पर निबंध लेखन और हिंदी सामान्य ज्ञान प्रश्नोत्तरी प्रतियोगिताएं आयोजित की गईं! वैज्ञानिकों, कर्मचारियों और छात्रों ने हिंदी शपथ लेकर कार्यक्रमों की शुरुआत की। सभी ने बड़े उत्साह से भाग लिया! विजेताओं को पुरस्कार वितरित किए गए।



Prize distribution for the competitions held.



B. Swachta Abhiyan



C. International Yoga Day



MRHRU Bhunga (Punjab): Research Infrastructure



MRHRU Bhunga (Punjab): Field Activities



MRHRU-KHAG (KASHMIR)

- ❑ State medical college associated with MRHRU - GMC, Srinagar
- ❑ Mentor: National Institute of Child Health & Development Research, New Delhi





Advanced molecular diagnostic & Research facility-ICMR-NICHDR- A SAC approved institutional facility for diagnostic and research services, since 2020 for the molecular and diagnostic research related to hemato-proliferative and pediatric neoplasms. Apart from diagnostic services offered to about 3000 patients annually, with capacity building towards training of DNB pathology students and M.Sc and Ph.D students