

**List of International Collaborative Research Projects Approved by HMSC
during meeting held on 8th September, 2021 (through VC)**

S. No.	Details of the Project	
1.	Iron absorption from salt double fortified with iodine and an encapsulated ferric pyrophosphate compound: a stable isotope study in iron-deficient Indian women	
	<p>Principal Investigator</p> <p>Dr. Prashanth Thankachan</p> <p>Associate Professor St John's Research Institute, Bangalore-560034 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>Bill & Melinda Gates Foundation (BMGF), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 1,26,36,200</p> <p>Duration 18 Months</p> <p>Subject area Nutrition</p>
	Approved.	
2.	Nutrient and microbiota characterisation of traditional fermented rice-water and its impact on maternal nutrition and gut microbiome in Odisha, India	
	<p>Principal Investigator</p> <p>Dr. Manoja Kumar Das</p> <p>Director Projects The INCLEN Trust International, New Delhi-110020</p>	<p>Funding/Collaborating Agency</p> <p>Bill & Melinda Gates Foundation (BMGF), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 1,39,95,270</p> <p>Duration 18 Months</p> <p>Subject area Nutrition</p>
	Approved.	

S. No.	Details of the Project	
3.	Estimation of Risk Associated with Zoonotic TB in India (eraztb)	
	<p>Principal Investigator</p> <p>Dr. Joy Sarojini Michael</p> <p>Professor Christian Medical College and Hospital, Vellore-632004 Tamil Nadu</p>	<p>Funding/Collaborating Agency</p> <p>Bill & Melinda Gates Foundation (BMGF), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs.75,90,000</p> <p>Duration 18 Months</p> <p>Subject area Tuberculosis</p>
	Based on the comments of Central TB Division, the Chairman, HMSC approved the proposal on 15 th July, 2021. The Committee endorsed the decision.	
4.	Research and Development of Measles and Rubella Rapid Diagnostic Test (RDT) Kits	
	<p>Principal Investigator</p> <p>Dr. Yuba Raj Pokharel</p> <p>Assistant Professor South Asian University, New Delhi-110021</p>	<p>Funding/Collaborating Agency</p> <p>Centers for Disease Control and Prevention (CDC), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 1,36,25,000</p> <p>Duration 24 Months</p> <p>Subject area Surveillance</p>
	Approved in principle. However, a copy of duly signed MTA should be submitted to ICMR for review & approval before initiation of the study.	

S. No.	Details of the Project	
5.	Epidemiology and Preventability of Hospital Onset Bacteraemia and Fungemia in India (EPHOBI) study	
	<p>Principal Investigator</p> <p>Dr. Sanjeev Singh</p> <p>Professor Amrita Institute of Medical Sciences and Research Centre, Kochi-682041 Kerala</p>	<p>Funding/Collaborating Agency</p> <p>Centers for Disease Control and Prevention (CDC), USA and Washington University in St. Louis school of Medicine, USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 34,93,520</p> <p>Duration 12 Months</p> <p>Subject area Bacteriology</p>
	Approved for Amrita Institute of Medical Sciences and Research Centre, Kochi.	
6.	Digital Innovation for Zero Hunger: Developing an Artificial Intelligence enabled mobile application to detect malnutrition in children aged 6-59 months	
	<p>Principal Investigator</p> <p>Dr. Pawankumar Patil</p> <p>Director Fight Against hunger, Mumbai-400055 Maharashtra</p>	<p>Funding/Collaborating Agency</p> <p>Deutsche Welthungerhilfe e.V., Germany</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 1,68,69,952</p> <p>Duration 44 Months</p> <p>Subject area Nutrition</p>
	Approved with conditions.	

S. No.	Details of the Project	
7.	ENGAGE - Enabling School Teachers as Gatekeepers for Preventing Adolescent Suicides in Chhattisgarh, India	
	<p>Principal Investigator</p> <p>Mr. Arjun Kapoor</p> <p>Programme Manager Indian Law Society, Pune-411004 Maharashtra</p>	<p>Funding/Collaborating Agency</p> <p>Grand Challenges, Canada</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 1,39,58,098</p> <p>Duration 24 Months</p> <p>Subject area Mental Health</p>
	Approved.	
8.	13 ^C Sucrose Breath Test as a biomarker of Environmental Enteric Dysfunction in infants - A cross sectional study	
	<p>Principal Investigator</p> <p>Dr. Nirupama Shivakumar</p> <p>Fellow St John's Medical College and Hospital, Bangalore-560034 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>International Atomic Energy Agency (IAEA), Austria</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 30,32,750</p> <p>Duration 48 Months</p> <p>Subject area Child Health</p>
	Approved . However only 10% transfer of biological samples should be undertaken to the foreign lab as confirmed by PI on 7 th September, 2021.	

S. No.	Details of the Project	
9.	Studies on Pregnancy, delivery and child development pattern in water contaminated area of India	
	<p>Principal Investigator</p> <p>Dr. Suchetha Kumari N</p> <p>Professor K S Hegde Medical Academy, Mangalore-575018 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>Japan Society for Promotion the of Science, Japan</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 73,00,000</p> <p>Duration 60 Months</p> <p>Subject area Maternal Health</p>
	Approved . However, appropriate GoI clearances should be obtained for visit of foreign collaborators to India.	
10.	An international Phase 4 field study to analyse the psychometric properties of the updated module on assessing quality of life of patients with breast cancer (EORTC QLQ-BR23 Update EORTC QLQ BR45)	
	<p>Principal Investigator</p> <p>Dr. Manjunath Nookalakashnamurthy</p> <p>Associate Professor Tata Memorial Centre (TMC), Mumbai-410210 Maharashtra</p>	<p>Funding/Collaborating Agency</p> <p>Medical University Graz, Austria</p> <p>Date of approval September 8, 2021</p> <p>Total budget Nil</p> <p>Duration 24 Months</p> <p>Subject area Oncology</p>
	Approved.	

S. No.	Details of the Project	
11.	Integrating Depression care in Tuberculosis services in South Asia	
	<p>Principal Investigator</p> <p>Dr. Geetha Desai</p> <p>Professor National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore-560029 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>National Institute for Health Research (NIHR), UK</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 45,03,070</p> <p>Duration 18 Months</p> <p>Subject area Mental Health</p>
	Approved.	
12.	A Cluster Randomized Clinical Trial of Umbilical Cord Milking versus Early Cord Clamping on Short and Long-term Outcomes in Neonates Who are Non-Vigorous at Birth	
	<p>Principal Investigator</p> <p>Dr. Sangappa Mallappa Dhaded</p> <p>Professor J.N.Medical College, Belgaum-590010 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>National Institutes of Health (NIH), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 10,05,40,523</p> <p>Duration 48 Months</p> <p>Subject area Child Health</p>
	Approved only for J.N. Medical College, Belgaum. CTRI registration number to be submitted to ICMR before initiation of the study. For other 6 participating sites mentioned in the proposal, approval can be considered on file by Chairman, HMSC on submission of respective IEC clearances.	

S. No.	Details of the Project	
13.	The Characteristics and Outcomes of Kawasaki Disease and COVID-19 with Cardiac Complications	
	<p>Principal Investigator</p> <p>Dr. Balasubramanian S</p> <p>Medical Director Kanchi Kamakoti Child's Trust Hospital, Chennai-600034 Tamil Nadu</p>	<p>Funding/Collaborating Agency</p> <p>National Institutes of Health (NIH), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 66,00,000</p> <p>Duration 36 Months</p> <p>Subject area COVID-19</p>
	Approved.	
14.	Multimodal intraoral imaging system for oral cancer detection and diagnosis in low resource setting	
	<p>Principal Investigator</p> <p>Dr. Praveen Birur N</p> <p>Professor K.L.E. Institute of Dental Science, Bangalore-560022 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>National Institutes of Health (NIH), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 4,29,88,449</p> <p>Duration 60 Months</p> <p>Subject area Oncology</p>
	Approved . However, the duly signed Data Sharing Agreement should be shared with ICMR before initiation of the study.	

S. No.	Details of the Project	
15.	India-Factors of CKDu in Uddanam Study (India-FOCUS)	
	<p>Principal Investigator</p> <p>Prof. Vivekanand Jha</p> <p>Executive Director George Institute for Global Health, New Delhi-110025</p>	<p>Funding/Collaborating Agency</p> <p>National Institutes of Health (NIH), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 6,29,76,620</p> <p>Duration 60 Months</p> <p>Subject area Nephrology</p>
	Approved.	
16.	Soil epidemiology: a new tool for environmental surveillance of soil-transmitted helminth infections in endemic settings	
	<p>Principal Investigator</p> <p>Dr. Sitara Swarna Rao Ajjampur</p> <p>Professor Christian Medical College and Hospital, Vellore-632004 Tamil Nadu</p>	<p>Funding/Collaborating Agency</p> <p>National Institutes of Health (NIH), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 2,26,47,938</p> <p>Duration 60 Months</p> <p>Subject area Parasitic infections</p>
	Approved . However, appropriate regulatory approvals should be sought for transfer of biological material / soil samples (if any) for the study.	

S. No.	Details of the Project	
17.	PWID Opportunities to Improve treat and Retain (POINTER)	
	<p>Principal Investigator</p> <p>Mr. Srikrishnan Aylur Kailasom</p> <p>Chief Operating Officer YRG Centre for AIDS Research and Education (YRG CARE), Chennai-600113 Tamil Nadu</p>	<p>Funding/Collaborating Agency</p> <p>National Institutes of Health (NIH), USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 241036000</p> <p>Duration 60 Months</p> <p>Subject area HIV/AIDS/ STD</p>
	Approved after satisfactory response received from PI, NACO approved the proposal. The Chairman, HMSC approved the proposal on 27 th July, 2021.	
18.	Study of immune correlates of protection following SARS-cov-2 vaccination	
	<p>Principal Investigator</p> <p>Prof. Mitali Chatterjee</p> <p>Professor Institute of Postgraduate Medical Education & Research, Kolkata-700020 West Bengal</p>	<p>Funding/Collaborating Agency</p> <p>PITCH International study through University of Oxford, UK</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 3,80,000</p> <p>Duration 24 Months</p> <p>Subject area COVID-19</p>
	Approved . However, a copy of the duly signed Data Sharing Agreement should be submitted to ICMR before initiation of the study.	

S. No.	Details of the Project	
19.	Assessment of peptide and amino acid absorption in adults	
	<p>Principal Investigator</p> <p>Dr. Nirupama Shivakumar</p> <p>Fellow St John's Medical College and Hospital, Bangalore-560034 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>Queen Mary University of London – Global Challenge Research Fund, UK</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 24,06,162</p> <p>Duration 12 Months</p> <p>Subject area Nutrition</p>
	Approved.	
20.	A Multicenter, Safety and Efficacy study of Taliglucerase Alfa in Subjects with Type 3 Gaucher Disease	
	<p>Principal Investigator</p> <p>Dr. Madhulika Kabra</p> <p>Professor All India Institute of Medical Sciences (AIIMS), New Delhi-110029</p>	<p>Funding/Collaborating Agency</p> <p>Shaare Zedek Medical Center, Israel</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 27,30,421</p> <p>Duration 12 Months</p> <p>Subject area Genetics</p>
	Approved based on the response/clarifications provided by the PI which were found satisfactory.	

S. No.	Details of the Project	
21.	Powdered egg: Improving egg consumption in India	
	<p>Principal Investigator</p> <p>Dr. Sumathi Swaminathan</p> <p>Associate Professor St John's Research Institute, Bangalore-560034 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>Sight and Life Foundation, Switzerland</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 6,90,000</p> <p>Duration 12 Months</p> <p>Subject area Nutrition</p>
	Approved.	
22.	Analysis of the role of the coronin 1 signalling pathway in glioblastoma through a systems medicine approach	
	<p>Principal Investigator</p> <p>Dr. Nandakumar Dn</p> <p>Professor National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore-560029 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>Swiss National Science Foundation, Switzerland (Indo-Swiss Joint Research Programme)</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 2,79,84,968 (DBT, India)</p> <p>Duration 24 Months</p> <p>Subject area Neurosciences</p>
	Approved . A copy of Animal Ethics Committee clearance should be submitted to ICMR before initiation of the study.	

S. No.	Details of the Project	
23.	Pediatric Difficult Intubation (PeDI) Registry – Improving Safety and Quality of Airway Management in Children with Difficult Airways	
	<p>Principal Investigator</p> <p>Dr. Preethy J Mathew</p> <p>Professor Postgraduate Institute of Medical Education and Research, Chandigarh-160012</p>	<p>Funding/Collaborating Agency</p> <p>The Children’s Hospital of Philadelphia, USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Nil</p> <p>Duration 60 Months</p> <p>Subject area Paediatric Anaesthesia</p>
	Approved.	
24.	A pretesting study to finalize the provisional survivorship core questionnaire (QLQ-SURV100)	
	<p>Principal Investigator</p> <p>Dr. Manjunath Nookalakrishnamurthy</p> <p>Associate Professor Tata Memorial Centre (TMC), Mumbai-410210 Maharashtra</p>	<p>Funding/Collaborating Agency</p> <p>The Netherlands Cancer Institute, The Netherlands</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 54,070</p> <p>Duration 24 Months</p> <p>Subject area Oncology</p>
	Approved.	

S. No.	Details of the Project	
25.	Prediction of difficult airway management cases using machine learning and image processing techniques	
	<p>Principal Investigator</p> <p>Dr. Sripada Gopalakrishna Mehandale</p> <p>Professor K S Hegde Medical Academy, Mangalore-575018 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>University at Buffalo, USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 26,34,000</p> <p>Duration 12 Months</p> <p>Subject area Respiratory Diseases</p>
	Approved.	
26.	Two-month Regimens Using Novel Combinations to Augment Treatment Effectiveness for drug-sensitive Tuberculosis (TRUNCATE-TB)	
	<p>Principal Investigator</p> <p>Dr. Rohit Sarin</p> <p>Director National Institute of Tuberculosis and Respiratory Diseases, New Delhi-110030</p>	<p>Funding/Collaborating Agency</p> <p>University College London (UCL), UK</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 3,40,07,410</p> <p>Duration 33 Months</p> <p>Subject area Tuberculosis</p>
	Approved .	

S. No.	Details of the Project	
27.	Stomacare for improvement research: mixed-methods study of ostomates and challenges of stoma care in low- and middle-income countries (STARFISH)	
	<p>Principal Investigator</p> <p>Dr. Amit Mahajan</p> <p>Professor Christian Medical College, Ludhiana-141008 Punjab</p>	<p>Funding/Collaborating Agency</p> <p>University of Philippines, Philippines</p> <p>Date of approval September 8, 2021</p> <p>Total budget Nil</p> <p>Duration 6 Months</p> <p>Subject area Surgery</p>
	Approved for sub-study only. However, a copy of the duly signed Data Sharing Agreement should be submitted to ICMR before initiation of the study.	
28.	Maharashtra Anaemia Study Phase 3 (MAS 3): Longitudinal study of nutritional, economic, and environmental impacts on anaemia, physical and cognitive development in Indian children from birth to age 18 years, nested within 'The Pune Maternal Nutrition Study' (PMNS)	
	<p>Principal Investigator</p> <p>Dr. Chittaranjan Yajnik</p> <p>Director K E M Hospital Research Centre, Pune-411011 Maharashtra</p>	<p>Funding/Collaborating Agency</p> <p>University of Surrey, UK</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 1,53,34,470</p> <p>Duration 4 Months</p> <p>Subject area Maternal/Child Health</p>
	Approved with suggestions.	

S. No.	Details of the Project	
29.	Understanding the genetics of ALS predisposition in India - searching for novel, disease-associated genetic variants	
	<p>Principal Investigator</p> <p>Dr. Atchayaram Nalini</p> <p>Professor National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore-560029 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>Variant Bio, USA</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 2,91,21,693</p> <p>Duration 12 Months</p> <p>Subject area Neurology</p>
	Approved.	
30.	A66014-Simplified Treatment for Eclampsia Prevention using Magnesium sulfate- A phase III, randomized, open label, active controlled, multicountry, multicentre, non-inferiority trial of simplified magnesium sulfate regimen for eclampsia prophylaxis-The STEP-Mag Trial	
	<p>Principal Investigator</p> <p>Dr. Shivaprasad Sadashivappa Goudar</p> <p>Professor J.N.Medical College, Belgaum-590010 Karnataka</p>	<p>Funding/Collaborating Agency</p> <p>World Health Organization (WHO)</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 4,36,55,889</p> <p>Duration 36 Months</p> <p>Subject area Maternal Health</p>
	Approved for 3 centres only. However, appropriate GoI clearances should be obtained for visit of foreign team members to India. The PI should share the results with Ministry of Health & Family Welfare, GoI before publication and also follow the instructions given by Govt. of Odisha.	

S. No.	Details of the Project	
31.	Improving Breast Cancer Early Diagnosis in resource limited settings Implementing a multi-level, multi-component intervention strategy to reduce access and diagnostic delays and improve quality of diagnostic services for breast cancer patients in India Acronym: Accelerating Breast Cancer early detection in India (ABCDE-India)	
	<p>Principal Investigator</p> <p>Dr. Ravi Kannan</p> <p>Director Cachar Cancer Hospital & Research Centre, Silchar-788015 Assam</p>	<p>Funding/Collaborating Agency</p> <p>World Health Organization (WHO)</p> <p>Date of approval September 8, 2021</p> <p>Total budget Rs. 17,86,000</p> <p>Duration 18 Months</p> <p>Subject area Oncology</p>
	Approved . However, a copy of the duly signed Data Sharing Agreement should be submitted to ICMR before initiation of the study.	