

Title	Agency	PI, Co-PI's	Duration
Center for Rare Disease Diagnosis, Research and Training	India Alliance Wellcome-DBT	Dr. Anju Shukla (PI, MAHE), Co-PIs: Dr. Akhilesh Pandey (IOB), Dr. Aarti Sevilimedu	2021-2026
Prediction of Idiosyncratic Drug Induced Liver Injury (iDILI): A comprehensive in silico, in vitro and in vivo based multitier screening approach	ICMR	Dr. Sandipan Chakraborty (PI), Dr. Kishore Parsa (Co-PI), Dr. Kiranam Chatti (Co-PI)	2023-2026
Design and development of gene therapy for methylmalonic acidemia	ICMR	Dr. Kishore Parsa (PI), Co-PIs: Dr. Aarti Sevilimedu, Dr. Pallavi Rao and Prof. Prakash Babu (UoH) 2024 - 2027	2024-2027
Repositioning of mitochondria-targeted FDA approved small molecules, and development and testing of a novel mRNA-based MFN2 gene therapy for Mitochondrial Skeletal Disorders (MSDs)	ICMR	Dr. Aarti Sevilimedu (PI), Co-PIs: Dr. Kishore Parsa, Dr. Sai Latha, Dr. Marina Rajadurai	2024-2027
Understanding of the functional role of co-activator binding protein PIMT in macrophage mediated insulin resistance in rodents and humans	DBT	Dr. Parimal Misra (PI, DRILS), Dr. Partha Chakrabarti (PI, IICB, Kolkata), Co-PI: Dr. Kishore Parsa	2024-2027
Understanding the functional significance of RNA exosome complex sub-unit EXOSC1, implicated in the rare disease pontocerebellar hypoplasia, using cellular and zebrafish as the model systems	DBT	Dr. Kishore Parsa (PI) Co-PIs: Dr. Aarti Sevilimedu, Dr. Kiranam Chatti, Dr Sai Latha	2024-2027
Small molecule and gene therapies for Glutaric Aciduria Type I, an Inborn Error of Metabolism (IEM) disorder	ICMR	Dr. Aarti Sevilimedu (PI) Co-PIs: Dr. Kishore Parsa, Dr. Rita Rani Dr. Kiranam Chatti	2025-2028
Rational engineering of improved mRNA and circRNA platforms for Gene Replacement Therapy in Methylmalonic Acidemia, a rare genetic disorder	DBT BioE3	Dr. Aarti Sevilimedu (PI) Co-PIs: Dr. Rita Rani, Dr. Kishore Parsa, Dr. Sandipan Chakraborty	2026-2028

YENFARM-Yeast Endophytes for Nitrogen Fixation in Rice And Maize	GATES Foundation	PIs: Dr. Anindita Seal (PI), University of Calcutta, Kolkata; Dr Senjuti Sinharoy (PI), BRIC-National Institute of Plant Genome Research, New Delhi, Prof. Somnath Bhattacharyya (PI), Bidhan Chandra Krishi Viswavidyalaya (BCKV), Dr. Tirthankar Biswas, College of Agriculture, Susunia (BCKV), Dr. Pranay Rai, College of Agriculture, Susunia (BCKV), Dr. Deep Mohan Mahala, ICAR-Indian Institute of Maize Research, Punjab, Dr. Sandipan Chakraborty, DRILS, Dr. Shilpi Sharma, IIT Delhi, Dr. Aleysia Kleinert, Stellenbosch University, South Africa Co-PIs: Dr. Prabir K Bhattacharyya, Dr. Sutanu Sarkar, Dr. Saikat Gantait, BCKV, Dr. Stian Griebenow, Prof Alexander J. Valentine	2025-2029
--	---------------------	---	-----------