

**LIST OF PROPOSALS AWARDED FOR IRG FY 2020/2021**  
**EARLY CAREER SCIENTISTS**

No.s	CENTRE/DEPT	PROPOSAL TITLE	PI	PROGRAMME
1.	SERU	Ethical And Scientific Considerations for Export, Storage, And Reuse of Human Biological Samples in Biomedical Research in Kenya: The Case of Kenya Medical Research Institute	Gideon Cornel Msee	Bioethics
2.	CBRD	Characterization of Forensic-Quality Haplotypes Representing the Diversity of Kenyan Population for the development of a Full Mitochondrial Genome Reference Database	Nambati Eva Aluvaala	Biotechnology
3	CMR	Establishment of a <i>Caenorhabditis elegans</i> based animal model for investigating pathogenic effects of Shiga toxin-producing <i>Escherichia coli</i> (STEC).	Martin Bundi	Infectious and Parasitic Diseases
4	CGHR	Development and evaluation of an in-house nucleic acid extraction method for the detection of SARS-COV-2 from nasal/oropharyngeal swabs collected in viral transport medium	Fredrick Ogumbo	Infectious and Parasitic Diseases
5	CVR	Prevalence And Distribution of Human Papillomavirus Genotypes Among HIV Positive Women on Anti-Retroviral Treatment in Selected Health Facilities in Nairobi and Makueni.	Sophia K. Musenjeri	Infectious and Parasitic Diseases
6	CBRD	Application Of Isolated and Propagated Umbilical Cord Blood Derived Mesenchymal Stem Cells on Ovarian Cancer Cell Lines In Vitro	Rukiya Mohamed Haji	Non-Communicable Diseases
7	CPHR	Assessing Risk Factors for Depression and Suicidal Behavior Among School-Going adolescents aged 15-19 years in selected schools in Kakamega County, Kenya.	Lucy Magige	Non-Communicable Diseases

8	SERU	Assessing the Impact of the Covid-19 Pandemic on Research Processes and On Research Teams	Kisienya Odhiambo Cyprian	Bioethics
9	CMR	Characterization of selected multi drug resistant Enterobacteriaceae strains isolated from food handlers in selected counties in Kenya	Peter Kariuki Mbogo	Infectious and Parasitic Diseases
10	CVR	Genomic Investigation of a Dengue Virus 3 Outbreak that Occurred in Coastal Kenya in 2019	Sheila Kageha Nadida	Infectious and Parasitic Diseases
11	ESACIPAC	Assessing Socio-Behavioral Factors Influencing Scabies Infestation in Children Under Five Years of Age in Kwale County, Kenya	Macharia Wanjiru Mariam	Infectious and Parasitic Diseases
12	CMR	Carbapenem-Resistant Enterobacteriaceae in Nairobi River, Waste water treatment Plant and Slaughterhouse Discharge in Nairobi County, Kenya	Rael Too	Infectious and Parasitic Diseases
13	CSDC Mandera	Molecular Surveillance and Characterization of Middle East Respiratory Syndrome (Mers-Cov) Strains Circulating in Pastoral Communities in Mandera County, Northern Kenya	Guyo Sora	Infectious and Parasitic Diseases
14	CMR	Development Of PCR Primers for Simultaneous Multiple Detection of Selected Febrile Illnesses in Kenya.	Joanne Jepkemei	Biotechnology
15	CMR	Antimicrobial resistance and carriage of Methicillin Staphylococcus aureus isolated from dairy farmers in selected counties in Kenya	Susan Mutile Kawai	Infectious and Parasitic Diseases
16	CPHR	Assessment Of Nutritional Content, Pesticides Residues and Microbial Contamination of Khat Obtained from Farms in Meru County Nyambene Sub-County and Retailer in Nairobi County.	Stephen Onteri	Natural Products Research and Drug Development
17	CTMDR	Discovery Of Anticancer Lead of Compound(S) From Selected Medicinal Plants from Mbeere - Embu County and Determination of Their Molecular Target(S) and Mechanism(S) of Action.	Sospeter Ngoci Njeru	Non-Communicable Diseases

18	CPHR	Integrated approaches to improve nutritional status of children under five: Case of Positive Deviance Hearth Model in Konoin Sub- County, Bomet County	Lorraine Ombogo	Sexual, Reproductive, Adolescent and child health
19	CBRD	Characterization of Bone Marrow-Derived Mesenchymal Stem Cells (BMMSCs)and investigation of their potential to modulate experimental schistosome egg granulomas, as a model of intervention in human inflammatory diseases	Rael Musili	Infectious and Parasitic Diseases
20	CMR	Evaluation of Uptake and Acceptability of Self-Sampling for HPV Test Among Women in Kisumu, Kenya	Samya Said Rashid	Sexual, Reproductive, Adolescent and child health