

**Second list of recommended short term CRG COVID-19 Proposals**

S. No.	File No	Pi Name	Institution Name	Area	Project Title
1	CVD/2020/000123	Dr. Vaidyanathan Ganesan	Central Leather Research Institute	Affordable, portable rapid diagnostic kits / tools	Paper-Based Plasmonic Aptamer Linked Immobilized Sorbent Assay (pALISA) for Screening COVID-19 Disease
2	CVD/2020/000127	Dr. Debasis Nayak	Indian Institute of Technology, Indore	Drug repurposing against key COVID-19 targets	Generation of Vesicular Stomatitis Virus Pseudotyped with spike protein of SARS-CoV2 reporter platform under BSL-2 condition for rapid method of identifying antiviral drug targets
3	CVD/2020/000150	Dr. Biswajit Maiti	Nitte University	Affordable, portable rapid diagnostic kits / tools	Rapid and sensitive detection of novel coronavirus (SARS-CoV-2) using isothermal nucleic acid amplification
4	CVD/2020/000221	Dr. Mahesh Raveendranatha Panicker	Indian Institute of Technology Palakkad	Affordable, portable rapid diagnostic kits / tools	An automated lung ultrasound workflow for diagnostic assistance in COVID-19 and beyond
5	CVD/2020/000224	Dr. Naresh Kasoju	Sree Chitra Tirunal Institute for Medical Sciences & Technology	Drug repurposing against key COVID-19 targets	Stem Cell Derived Exosome Therapy for Clinical Management of Lung Damage in Critically-ill Corona Viral Pneumonia Patients
6	CVD/2020/000293	Dr. Vinay Bulusu	IISER Berhampur	Drug repurposing against key COVID-19 targets	Development of fluorescent human transmembrane serine protease 2 (TMPRSS2) activity sensor for rapid screening of inhibitors in vitro and in living cells to combat human COVID-19 and other respiratory infections.
7	CVD/2020/000311	Dr. Abhimanyu Dev	Birla Institute of Technology	Affordable, portable rapid diagnostic kits / tools	Aptamer-based Rapid Diagnostic Kit for Detection of Corona Virus Infection (CoVapt)
8	CVD/2020/000343	Dr. Deva Priyakumar	International Institute of Information Technology	Computational identification and validation of COVID-19 molecular targets	Novel Target Identification and Drug Repositioning for COVID-19 based on Interaction Network, Molecular Design and Machine Learning
9	CVD/2020/000447	Dr. Manoj Kumar Yadav	SRM University	Drug repurposing against key COVID-19 targets	Drug repurposing against key COVID-19 Drug Targets using advance Machine Learning based algorithms
10	CVD/2020/000458	Dr. REETESH KUMAR GANGWAR	Indian Institute of Technology Tirupati	Affordable, portable rapid diagnostic kits / tools	Development of a Portable Optical Cavity Sterilization Unit
11	CVD/2020/000604	Dr. Saraboji	SASTRA DEEMED	Computational	Structural, biochemical and computational investigation

		Kadhirvel	TO BE UNIVERSITY	identification and validation of COVID-19 molecular targets	on the therapeutic targets of SARS-CoV-2 and structure-based drug discovery from Indian herbs.
12	CVD/2020/000733	Dr. Amit Tuli	CSIR-Institute of Microbial Technology	Drug repurposing against key COVID-19 targets	Understanding the role of SARS-CoV-2 virulence factor-Orf3a in modulating host cell responses: a way to identify host-directed therapy
13	CVD/2020/000745	Dr. Benu Brata Das	Indian Association for the Cultivation of Science	Drug repurposing against key COVID-19 targets	Targeting the RNA-dependent RNA polymerase (RdRp) of SARS-COV2 for the development of inhibitors
14	CVD/2020/000747	Dr. Raghavendra Sai V	Indian Institute of Technology Chennai	Affordable, portable rapid diagnostic kits / tools	Development of A Point-of-care Fiber-optic Biosensor (P-FAB) Device for Rapid Detection of COVID-19
15	CVD/2020/000778	Dr. Jayasree RS	Sree Chitra Tirunal Institute for Medical Sciences & Technology	Affordable, portable rapid diagnostic kits / tools	An easy and Rapid detection platform for viral diseases from saliva: COVID-19 and beyond
16	CVD/2020/000842	Dr. Kamal Rawal	Amity University	Drug repurposing against key COVID-19 targets	Development of Machine Learning based Drug repurposing pipeline against SARS-CoV-2 and Human proteome.
17	CVD/2020/000855	Dr. Mrinmoy De	Indian Institute of Science	Affordable, portable rapid diagnostic kits / tools	Rapid, PCR or antibody-free clinical diagnosis of viral infection via 'chemical-nose' sensor
18	CVD/2020/000990	Dr. Biju George	Christian Medical College	Drug repurposing against key COVID-19 targets	A Phase IIB open label randomized controlled trial to evaluate the efficacy and safety of Ivermectin in reducing viral loads in patients with hematological disorders who are admitted with COVID 19 infection [ICE study]
19	CVD/2020/000991	Dr. Indrajit Saha	National Institute of Technical Teachers Training and Research, Kolkata	Computational identification and validation of COVID-19 molecular targets	In Silico Analysis of 10000 Genomic Sequences of COVID-19 around the World including India to Identify Genetic Variability and potential Molecular Targets in Virus and Human

20	CVD/2020/001002	Dr. Mahesh S Dharne	National Chemical Laboratory	Affordable, portable rapid diagnostic kits / tools	Nanopore sequencing-based rapid monitoring of Covid-19 nucleic acids in the drains of Pune River
21	CVD/2020/001011	Dr. Jackson James	Rajiv Gandhi Centre for Biotechnology	Affordable, portable rapid diagnostic kits / tools	Development of a low cost Anosmia screening tool to mass screen asymptomatic COVID-19 carriers
22	CVD/2020/001034	Dr. Sukriti Sukriti	Institute of Liver and Biliary Sciences (ILBS)	Affordable, portable rapid diagnostic kits / tools	Identification of COVID-19 Associated Extracellular Vesicles as a Prognostic Tool and an Alternative of SARS-Cov-2 Infection and Transmission
23	CVD/2020/001105	Dr. Anant Mohan	All India Institute of Medical Sciences	Drug repurposing against key COVID-19 targets	A randomized controlled trial of single-dose oral ivermectin in patients with COVID19 infection
24	CVD/2020/001120	Dr. Murugan Ramalingam	Vellore Institute of Technology	Affordable, portable rapid diagnostic kits / tools	Design, fabrication and testing of portable, high-sensitivity aptasensors for one-step viral diagnostics
25	CVD/2020/001155	Dr. Sivaramakrishna Vanjari	Indian Institute of Technology Hyderabad	Affordable, portable rapid diagnostic kits / tools	Dual approach/ Two-pronged approach for robust electrochemical biosensing platform for rapid detection of COVID-19