

Year	Title of the MoU	Name of the partnering Institution/ industry /research lab/corporate house with contact details	Activities under each MoU	Year of commencement	Duration
2017-2018	Research Collaboration Agreement	The Trustees of Columbia University in the City of New York	Antimicrobial efficacy and physico-mechanical properties of the coated Foley catheter was determined	2015	2015 to 2020
2018-2019	Collaborative Research	Tilak Ayurveda Mahavidyalaya, Pune	Conduct of lectures for faculty and students 2. One month research training for students	2019	2019 to 2022
	Research Collaboration Agreement	The Trustees of Columbia University in the City of New York	Novel antimicrobial coated Foley catheter was developed. 2. Development of topical wound healing cream containing Omega-3 fatty acid and silver sulfadizine	2015	2015 to 2020
	Master Service agreement between Serum Institute of India Private Limited and IRSHA	Serum Institute of India Private Limited	Immunogenicity testing for Influenza vaccine, Dengue virus vaccine trial and viral load testing for DengueMab clinical trial	2019	2019 to 2024
	MoU between Bharat Biotech International Ltd., Hyderabad and IRSHA	Bharat Biotech International Ltd., Hyderabad	Immunogenicity testing by CHIKV PRNT for CHIKV vaccine clinical trial	2019	2019 to 2022
2019-2020	Collaborative Research	Dr. Sabnis, Jeevanrekha Ayurveda Chikitsalaya and Research Centre, Aurangabad	Joint meetings and discussions, Conduct of lectures for lab.	2019	2019 to 2022
	Execution and implementation of a research project entitled Extraction of bioactive lignan and development of value added products from flaxseed.	Real World Nutrition Laboratory Foundation , Pune	To extract lignan concentrate by solvent-solvent extraction method	2019	2019 to 2019
	Research Collaboration Agreement	The Trustees of Columbia University in the City of New York	Shelf life studies of antimicrobial coated Foley catheter was performed. 2. Efficacy study of topical wound healing cream containing Omega-3 fatty acid and silver sulfadizine in animal model	2015	2015 to 2020
	Master Service agreement between Indian Immunologicals Ltd and IRSHA	Indian Immunologicals	Immunogenicity testing by CHIKV PRNT and CHIKV IgG ELISA for CHIKV vaccine trial	2019	2019 to 2024
2020-2021	Research Consultancy and collaboration	Dr. Gaurang Baxi, D.Y.Patil College of Physiotherapy, Pimpri, Pune	1. Conduct of DST- SATYAM Yoga intervention project as an additional site (2021-2022) 2. Conduct of Phonophoresis-	2021	2021 to 2024

			Myostaal gel project as an additional site (2022-2023)		
	Execution and implementation of a research project entitled Extraction of bioactive lignan and development of value added products from flaxseed.	Real World Nutrition Laboratory Foundation , Pune	To characterize and nutritional evaluation of lignan concentrate and to study toxicity profile of lignan formulation	2019	2019 to 2019
	OPTIMISE: Optimal preconception nutrition to offset inflammation and non-communicable disease risk in pregnant women and their children	Medical Research Council , United Kingdom	Nil	2020	2020 to 2022
	MoU between Zydus Cadila Healthcare Ltd and IRSHA	Zydus Cadila Healthcare Ltd	Immunogenicity and antiviral testing for SARS CoV-2	2020	2020 to 2023
	Service agreement between International Vaccine Institute, Korea and IRSHA for "A Phase II/III Adaptive Seamless Design, Randomized, Controlled Trial to Evaluate Safety and Immunogenicity of 2-dose regimen of BBV87 Chikungunya Vaccine in Healthy Subjects Aged 12 to 65 years in Panama, Colombia and Thailand" study	International Vaccine Institute, Korea	Immunogenicity testing by CHIKV PRNT and CHIKV IgG ELISA for CHIKV vaccine trial	2020	2020 to 2024
	MoU between Christian Medical College, Vellore (NBM) and IRSHA for DRIVEN2020 project	Christian Medical College (NBM)	SARS CoV2 PRNT, DENV PRNT, CHIKV PRNT testing	2021	2021 to 2024
	MoU between KEM Hospital Research Centre (NBM) and IRSHA for DRIVEN2020 project	KEM Hospital Research Centre (NBM)	SARS CoV2 PRNT, DENV PRNT, CHIKV PRNT testing	2021	2021 to 2024
	MoU between ICMR-NIE (NBM) and IRSHA for DRIVEN2020 project	ICMR-NIE (NBM)	SARS CoV2 PRNT, DENV PRNT, CHIKV PRNT testing	2021	2021 to 2024
	Determination of the SARS-CoV-2 virus neutralization potential of monoclonal antibodies and cytokines by using a PRNT assay	Zydus Cadila Healthcare Ltd	SARS CoV2 PRNT testing	2020	2020 to 2021
	To study virus neutralization assay (PRNT) in the human sera samples	Zydus Cadila Healthcare Ltd	SARS CoV2 PRNT testing	2020	2020 to 2021
	Development of human monoclonal antibodies against SARS-CoV-2 using convalescent patient blood	Bioklone Biotech Pvt Ltd	SARS CoV2 PRNT testing	2020	2020 to 2021
	Development of monoclonal antibody against SARS-CoV-2	Serum Institute of India Private Limited	SARS CoV2 PRNT testing	2020	2020 to 2021
	Immunogenicity study of an mRNA vaccine candidate HGCO-19 against SARS-CoV-2	Gennova Biopharmaceuticals	SARS CoV2 PRNT testing	2020	2020 to 2023
	Virus Neutralization (SARS-CoV-2 PRNT) Assay for Dog Serum Samples	Zydus Cadila Healthcare Ltd	SARS CoV2 PRNT testing	2021	2021 to 2022

MoU between Bhami Research Laboratory and IRSHA	Bhami Research Laboratory	SARS CoV2 Antiviral testing	2020	2020 to 2020
MoU between Harind Chemicals and Pharmeceuticals Pvt. Limited	Harind Chemicals and Pharmeceuticals Pvt. Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Vedicinal India Private Limited (IEGS Efficiency Solution Pvt Limited	Vedicinal India Private Limited (IEGS Efficiency Solution Pvt Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between NET SURF LAB PVT LIMITED and SP college Pune	NET SURF LAB PVT LIMITED and SP college Pune	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Arna Immunoingredients Pvt Ltd and IRSHA	Arna Immunoingredients Pvt Ltd	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Miyakawa Kogyo India Pvt Limited and IRSHA	Miyakawa Kogyo India Pvt Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Godrej Consumer Pvt Limited and IRSHA	Godrej Consumer Pvt Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Wipro Enterprises Pvt Limited and IRSHA	Wipro Enterprises Pvt Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Netsurf Research Lab Pvt Limited and IRSHA	Netsurf Research Lab Pvt Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between ITC India Pvt Limited; Bengaluru; India and IRSHA	ITC India Pvt Limited; Bengaluru; India	SARS CoV2 Antiviral testing	2021	2020 to 2021
MoU between TCG-CREST and IRSHA	TCG-CREST	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Sicora Technologies Pvt Limited and IRSHA	Sicora Technologies Pvt Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Nanoselfclean Limited and IRSHA	Nanoselfclean Limited	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Nanocare Deutchland AG and IRSHA	Nanocare Deutchland AG	SARS CoV2 Antiviral testing	2020	2020 to 2021
MoU between Oman Hygenics Product LLC (Oman) and IRSHA	Oman Hygenics Product LLC (Oman)	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between Zeta Tech representing Ross Alan and Co and IRSHA	Zeta Tech representing Ross Alan and Co	SARS CoV2 Antiviral testing	2021	2020 to 2021
MoU between Harind Chemicals and Pharmaceuticlas Pvt Ltd and IRSHA	Harind Chemicals and Pharmaceuticlas Pvt Ltd	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between Tata Steel Pvt Limited and IRSHA	Tata Steel Pvt Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between Godrej Consumer Pvt Limited and IRSHA	Godrej Consumer Pvt Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022

	MoU between Clintrek Research Pvt Ltd and IRSHA	Clintrek Research Pvt Ltd	SARS CoV2 Antiviral testing	2021	2021 to 2022
	Agreement between Zum Helen Diagnostics and Therapeutics Pvt Limited and IRSHA and IRSHA	Zum Helen Diagnostics and Therapeutics Pvt Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022
	MoU between Livingurad Technologies Pvt Limited and IRSHA	Livingurad Technologies Pvt Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022
	MoU between Nanz Med Pharma Pvt Ltd and IRSHA	Nanz Med Pharma Pvt Ltd	SARS CoV2 Antiviral testing	2021	2021 to 2022
	MoU between Oncocur India Pvt Ltd and IRSHA	Oncocur India Pvt Ltd	SARS CoV2 Antiviral testing	2021	2021 to 2022
	MoU between Cipla Health Limited and IRSHA	Cipla Health Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022
	In vitro assessment of Naga parpam (traditionally formulated Siddha drug) against SARS-CoV-2 virus	Siddha Clinical Research Unit (SCRU), Bengaluru	Research collaboration -SARS-CoV-2 antiviral testing	2020	June to December 2020
	Research collaboration between IRSHA and D.Y. Patil Medical College, Pune	Dr. D.Y. Patil Medical College, Pune	Research collaboration - Mutual sharing of biological samples, knowledge and research experiences	2021	2021 to 2024
2021-2022	Randomized, Phase I/II, Placebo-controlled, Dose-Ranging, study to evaluate the Safety, Tolerability and Immunogenicity of the candidate HGCO19 (COVID-19 vaccine) in healthy adult	Gennova Biopharmaceuticals	Immunogenicity testing by SARS CoV-2 PRNT for COVID vaccine clinical trial	2021	2021 to 2022
	Master Service agreement between Bharat Biotech and IRSHA	Bharat Biotech	Immunogenicity testing by SARS CoV-2 PRNT for COVID vaccine clinical trial	2021	2021 to 2026
	A prospective, open label, dose escalation phase I clinical study to evaluate the safety, tolerability and immunogenicity of Reliance Life Sciences SARS-CoV-2 Recombinant protein subunit vaccine in healthy volunteers	Reliance Life Sciences	Immunogenicity testing using various tests for COVID vaccine clinical trial	2021	2021 to 2022
	Master Service agreement between Biological E Ltd and IRSHA	Biological E	Immunogenicity testing by SARS CoV-2 PRNT for COVID vaccine clinical trial	2022	2022 to 2027
	Master Service agreement between Akston Biosciences Corporation and IRSHA	Akston Biosciences Corporation	Immunogenicity testing by SARS CoV-2 PRNT for COVID vaccine clinical trial	2021	2021 to 2023
	Tripartite agreement between Christian Medical College, Vellore, Serum Institute of India, Pvt Ltd and IRSHA	Christian Medical College, Vellore and Serum Institute of India, Pvt Ltd	Immunogenicity testing by SARS CoV-2 PRNT for COVID vaccine clinical trial	2022	2022 to 2023

MoU between INCLEN (NBM) and IRSHA for DRIVEN2020 project	INCLEN (NBM)	SARS CoV2 PRNT, DENV PRNT, CHIKV PRNT testing	2022	2022 to 2025
MoU between SHARE INDIA and IRSHA	Society for Health Allied Research and Education (SHARE), India	SARS CoV2 PRNT, DENV PRNT, CHIKV PRNT testing	2022	2022 to 2025
Pre-vaccination screening of subjects for CHIKV IgG for Bharat Biotech CHIKV vaccine trial	Bharati Vidyapeeth medical College	CHIKV IgG ELISA testing	2022	2022 to 2023
SARS-CoV-2 virus neutralization of equine Anti-COVID antibody fragments	Vins Bioproducts, Telangana	SARS CoV2 MNT and SARS CoV2 PRNT testing	2021	2021 to 2022
Serum evaluation against SARS-CoV-2 strains	Reliance Life Sciences Pvt Ltd	SARS CoV2 PRNT testing	2021	2021 to 2022
Active virosome vaccine for prevention of COVID-19 sponsored by BIRAC	Seagull Biosolutions Pvt Ltd	SARS CoV2 PRNT testing	2021	2021 to 2021
MoU between Wipro Enterprises Pvt Ltd and IRSHA	Wipro Enterprises Pvt Ltd	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between ICT(Institute of Chemical Technology) and IRSHA	ICT(Institute of Chemical Technology)	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between La Renon and Frimline Pvt Limited and IRSHA	La Renon and Frimline Pvt Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between Meril Life Science Pvt Limited and IRSHA	Meril Life Science Pvt Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between Sundar Dezire Pvt Limited and IRSHA	Sundar Dezire Pvt Limited	SARS CoV2 Antiviral testing	2021	2021 to 2022
MoU between Arna Immunoingredients Pvt Ltd and IRSHA	Arna Immunoingredients Pvt Ltd	SARS CoV2 Antiviral testing	2021	2021 to 2022
Service agreement between Anabio Technologies Private Limited and IRSHA	Anabio Technologies Private Limited	SARS CoV2 Antiviral testing	2021	2021 to 2023
MoU between Sai Life Science Pvt Limited and IRSHA	Sai Life Science Pvt Limited	SARS CoV2 Antiviral testing	2022	2022 to 2023
MoU between Torrent Pharmaceuticals and IRSHA	Torrent Pharmaceuticals	SARS CoV2 Antiviral testing	2021	2021 to 2023
MoU between Airth Reserach Private Limited and IRSHA	Airth Reserach Private Limited	SARS CoV2 Antiviral testing	2022	2022 to 2023
MoU between ICT MUMBAI and IRSHA	ICT MUMBAI	SARS CoV2 Antiviral testing	2022	2022 to 2024
MoU between Pop Vax Ltd and IRSHA	Pop Vax Ltd	SARS CoV2 Antiviral testing	2022	2022 to 2023
Antiviral activity assessment of Imidazolo quinoline compounds against SARS-CoV-2 viruses.	Chikkanna Government Arts College (CGAC), A.E.S. College of Arts and Science (AESCAS),	Research collaboration for development of antiviral drugs	2022	2022 to 2024

		Chitkara College of pharmacy (CCP)			
	Antiviral activity assessment of TiO2 and ZnO nanofibers based compounds against SARS-CoV-2 viruses	BVDU-COEP	Research collaboration for development of antiviral products	2021	2021 to 2022
	Antiviral activity assessment of compounds against SARS-CoV-2 viruses	TMC-ACTREC (Tata Memorial Centre Advanced Centre for Treatment, Research and Education in Cancer)	Research collaboration for development of antiviral drugs/products	2021	2021 to 2022
	Antiviral activity assessment of conjugate against SARS-CoV-2 viruses	Shivaji University, Kolhapur	Research collaboration for development of antiviral drugs/products	2021	2021 to 2022
	Execution and implementation of a research project entitled Extraction of bioactive lignan and development of value added products from flaxseed.	Real World Nutrition Laboratory Foundation , Pune	To develop formulation of flaxseed lignan and omega-3 fatty acid	2019	2019 to 2019
2022-2023	A Prospective, Multi-Centre, Open-labelled, Randomized, Phase II study seamlessly followed by a Phase III study to evaluate the safety, Tolerability and Immunogenicity of GEMCOVAC-OM as a booster in subjects 18 years of age and older.	Gennova Biopharmaceuticals	Immunogenicity testing by SARS CoV-2 PRNT for COVID vaccine clinical trial	2022	2022 to 2023
	Service agreement between International Vaccine Institute, Korea and IRSHA for "A phase 2, observer-blind, randomized study to assess the safety and immunogenicity of heterologous prime-boost COVID-19 vaccines regimens in individuals aged 18 to 65 years in Mozambique and Madagascar" study	IVI Korea	Immunogenicity testing by SARS CoV-2 PRNT for COVID vaccine clinical trial	2022	2022 to 2024
	Service agreement between Abiogenesis Clinpharm and IRSHA for "A Phase I single blind randomized placebo controlled study to evaluate the safety and immunogenicity of live attenuated tetravalent recombinant dengue vaccine of HBI in healthy adults of 18 to 50 years of age" study	Abiogenesis Clinpharm Pvt Ltd	Immunogenicity testing for IIL-Dengue vaccine clinical trial	2023	2023 to 2025
	SARS-CoV-2 PRNT (Virus neutralization assay)	Syngene International Ltd	SARS-CoV-2 PRNT	2022	2022 to 2023
	Immunogenicity Analysis of KSHV-001 in Mice and Rabbits serum samples	Kashiv Biosciences	SARS-CoV-2 PRNT	2022	July to Oct 2022
	Assessment of antiviral activity of Microbial compounds against SARS-CoV-2	BVDU-RGITBT	Research collaboration for development of antiviral drugs/products	2022	2022 to 2023

	Research and developmental projects in the domain of public health to be undertaken in India	Dr. Khadilkar, Hirabai Cowasji Jehangir Medical Research Institute, Pune	Submission of joint proposals for funding to DBT (LOI)- Public Health & Nutrition Programme and Rajiv Gandhi Science & Technology Commission	2022	2022 to 2025
	Collaborative research	Shree Dhootpapeshwar Ltd., Mumbai	Provision of funding for conduct of projects in collaboration- Phonophoresis- Myostaal gel project (in process)	2022	2022 to 2025
	Research Collaboration Agreement	Chellaram Diabetes Research Centre, Pune	To develop nano-formulations enriched with omega-3 fatty acid, alpha lipoic acid and flax lignan	2022	2022 to 2025