

Project grant obtained:

Funded Projects

Project Grants Obtained

S.No	Project Title	Investigators	Funding Agency	Sanctioned Year	Amount Sanctioned
1.	Comparison of dose-response curve with manual vs automated scoring of ⁶⁰ Co (γ) ray /X-ray induced cytogenetic markers	<u>Principal Investigator:</u> Dr. J. Vijayalakshmi <u>Co – Investigators:</u> Dr. Solomon F.D. Paul	DAE-BRNS.	2021	32,47,100
2.	Establishment and capacity building for rapid radiation triage and dose estimation using gene expression biomarker	<u>Principal Investigator:</u> Dr. P. Venkatachalam	AERB	2020	35 Lakhs
3.	Gall stone disease – A Comparative study unraveling the genetic profile markers of <i>ESRI</i> , <i>ADRB3</i> and <i>UGT1A1</i> gene variations with the risk of gall stone disease in North and South Indian patients	<u>Principal Investigator:</u> Dr. Andrea Mary Francis <u>Co-Investigators:</u> Dr. Jayanthi.V Dr. Solomon F.D Paul	GATE PROJECT Young faculty research grant	2020	1 Lakh
4.	Modulating post translational modification of the oncogenic signaling kinase p21-activated kinase-1 (PAK1) to circumvent radio resistance in cancer cells	<u>Principal Investigator:</u> Dr.Ganesh Venkatraman	BARC Mumbai, DAE-BRNS	July 2020	Rs.5651600

5.	Influence of Clonal Hematopoiesis of Indeterminate Potential (CHIP) in patients with coronary artery disease	<u>Co – Investigator:</u> Dr.V. Vettriselvi	ICMR	December 2019	Rs.27,18680
6.	Prenatal Exposure to Air Toxics and Adverse Birth Outcome: An Integrated Rural-Urban Mother-Child Prospective Cohort Study	<u>Co – Investigator:</u> Dr.V. Vettriselvi	ICMR	October 2019	100 Lakhs
7.	Quantification on interleukins in the serum:A noninvasive marker of Endometriosis	<u>Principal Investigator:</u> Mrs. Nandhini.B <u>Co – Investigator:</u> Dr. G. Usha Rani	GATE, SRIHER	2019	Rs.95,000
8.	Identifying hydrogen sulphide role in in vitro modal of inflammatory bowel disease	<u>Co – Investigator:</u> Dr. Solomon F.D Paul	DST	2018-2021	Rs.2967000
9.	Urinary microRNAs as Potential Biomarkers for childhood Nephrotic Syndrome	<u>Co – Investigator:</u> Dr.V. Vettriselvi,	DBT- BIOCARE	July 2019	Rs.30,14739

Completed Projects

1.	Chemoprotective efficacy of resveratrol against Cisplatin and Bleomycin induced chromosome damage in human peripheral blood lymphocytes evaluated by Cytokinesis Blocked Micronucleus (CBMN) and Sister Chromatid Exchange Assay.	<u>Co – Investigator:</u> Dr. J. Vijayalakshmi	GATE, SRIHER	2019	Rs.90,000
2.	Design & Screening of novel small molecules as potential inhibitors of the oncogenic signalling kinasePAK1 for Glioblastomamultiforme	<u>Co – Investigator:</u> Dr.V.Ganesh	SERB	2018-2021	25.85Lakhs
3.	A Genetic Epidemiologic Investigation of Latent Auto Immune Diabetes in Adult (LADA) in Indian population	<u>Principal Investigator:</u> Dr. Solomon F.D.Paul	ICMR	2018-20	913600
4.	Standardization and testing of Premature Chromosome Condensation (PCC) assay for radiation triage and dose estimation	<u>Principal Investigator:</u> Dr. P.Venkatachalam	IGCAR. DAE, INDIA	2017	24.98 lakhs

5.	Molecular biomarkers of to quantify Radiation absorbed dose	<u>Principal Investigator:</u> Dr. Solomon F.D.Paul	Council for Scientific and Industrial Research (CSIR), New Delhi	2017-19	913600
6.	A Study on the Association of Endothelial Nitric Oxide Synthase Gene Polymorphisms and the Risk of Chronic Kidney Disease in Indian Patients with Type 2 Diabetes	<u>Co – Investigator:</u> Dr. Teena Koshy	GATE SRIHER	2018	1 Lakh
7.	Genetics of type 2 diabetes in India: a Multicentric population specific family genetic study	<u>Principal Investigator:</u> Dr. Solomon F.D. Paul, <u>Co – Investigator:</u> Dr.V. Vettriselvi,Dr. Teena Koshy	Indo US ICMR-NIH	2016	18000000 + 250000\$

Collaborating Institutes:

1. Sri Ramachandra University (SRU)/Sri Ramachandra Medical Centre (SRMC), Chennai, TamilNadu
2. BM Birla Science and Technology Center (BISR), Jaipur, Rajasthan
3. Narayana Medical College and Hospital (NMC), Nellore, Andhra Pradesh 4.Rajah Muthiah Medical College, Annamalai University, Chidambaram, Tamil Nadu

NIDDK/NIH (U.S.): Project Title: Genetics of Type 2 Diabetes in Indian Populations: US-India Collaboration Project

Collaborating Institutes:

1. University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma
2. University of Texas Rio Grande Valley, Brownsville and Edinburg, Texas

Sri Ramachandra University, Chennai - Tamil Nadu

Principal Investigator Dr. Solomon F. D. Paul Ph.D.	Principal Faculty of Biomedical Sciences Technology and Research, & Professor & Head, Department of Human Genetics
--	--

Co-Principal Investigator Dr. S. Thanikachalam, M.D., D.M., D.Sc.	Chairman and Director, Cardiac Care Centre	
Co-Principal Investigator Dr. S.P. Thyagarajan Ph.D.D.Sc.	Professor of Eminence and Dean (Research)	
Co- Investigator	Associate Professor Department of Human Genetics	
Dr. V. Vетtrisелvi Ph.D.		
Co- Investigator Dr. Teena Koshy M.Sc.(Ph.D.)	Senior Lecturer Department of Human Genetics	
Co- Investigator Dr. N. Chidambaram, M.D.	Dean of Medicine, Department of Medicine, Rajah Muthiah Medical College, Annamalai University, Chidambaram, Tamil Nadu, India	
Co- Investigator Dr. R. Umarani, M.D.	Department of Medicine, Rajah Muthiah Medical College, Annamalai University, Chidambaram, Tamil Nadu, India	
BM Birla Science & Technology Center (BISR), Jaipur -Rajasthan		
Co-Principal Investigator	Dr. Rajeev Gupta MD Ph.D.	Chairman & Visiting Professor, Academic and Research Development Unit, RUHS
Co-Principal Investigator	Dr. Krishna Mohan Medicherla Ph.D.	Scientist, BISR
Narayana Medical College & Hospital, Nellore -Andhra Pradesh		
Co-Principal Investigator	Dr. Kandregula Dileep Kumar MD, DM	Prof & HOD, Department of Endocrinology
USA Collaborators: The <u>University of Texas Rio Grande Valley</u>, Edinburg, Texas, USA		
Principal Investigator	Dr. Ravindranath Duggirala, Ph.D.	Professor, South Texas Diabetes and Obesity Institute, School of Medicine, The <u>University of Texas Rio Grande Valley</u> , Edinburg, Texas, USA.
Co-Principal Investigator	Dr. John Blangero, Ph.D.	Director, Genomics Computing Center, South Texas Diabetes and Obesity Institute, School of Medicine, The <u>University of Texas Rio Grande Valley</u> , Edinburg, Texas, USA.
USA Collaborators - The University of Oklahoma, College of Medicine, Oklahoma , USA		

	Principal Investigator	Dr. Sanghera, Dharambir (HSC)	Professor & Director, Molecular Genetic Epidemiology Laboratory, Department of Pediatrics, Section of Genetics College Of Medicine / Peds - Genetics, The University of Oklahoma, College of Medicine, Oklahoma, USA.		
8	Evaluation of genetic polymorphisms in ABCBI and CEP72 genes as pharmacogenetic markers in patients receiving vincristine based chemotherapy	<u>Co-Investigator:</u> Dr. S. Harpreet Kaur	GATE, SRU	2016	85,000
9	Study on the role of mir-20, mir-146, mir-196 and mir-499 gene polymorphisms in prostate cancer	<u>Principal Investigator:</u> Dr. V. Vettriselvi	DBT Pilot Project Grant for young Investigators in Cancer Biology	2015	24 lakhs
10	Study on the genetic variants of thiopurine and folate metabolic pathway and 6-Mercaptopurine - mediated hematological toxicity in childhood acute lymphoblastic leukemia	<u>Principal Investigator:</u> Dr. Harpreet Kaur <u>Co – Investigator:</u> Dr. Teena Koshy	DBT Pilot Project Grant for young Investigators in Cancer Biology DBT	2015	24,37,400
11	Ovarian cancer Susceptibility Genes in a South Indian Population	<u>Principal Investigator:</u> Dr. Andrea Mary F <u>Co – Investigators:</u> Dr. Usha Rani G Dr. Ramya R Dr. Nalini Ganesan	DBT Pilot Project Grant for young Investigators in Cancer Biology	2015	24.3lakhs

12	Investigating serum PAK1 as a diagnostic and prognostic marker in breastcancer patients	<u>Principal Investigator:</u> Dr.Ganesh Venkatraman	Board of Research in Nuclear Sciences-DAE	2015	30.85lakhs
Collaborating Institute: IIT Madras					
13	Chemoprotective efficacyof resveratrol against Cisplatin and Bleomycin induced chromosome damage in human peripheral blood lymphocytes evaluated by Cytokinesis Blocked Micronucleus (CBMN) andSister Chromatid Exchange Assay.	<u>Principal Investigator:</u> Dr. J. Vijayalakshmi <u>Co – Investigators:</u> Dr. Solomon F.D. Paul,	GATE, SRU	2015	90,000
14	A population Pharmacokinetic & pharmacogenetic study on capox therapy on colorectal cancer patients	<u>Co – Investigators:</u> Dr. V.Vettriselvi	ICMR (Indian Council of medical Research)	2015	7 lakhs



MoU signing Between SRIHER & SUAHAER - 2021



MoU signing Between SRIHER & IGAR - 2020



MoU signing Between SRIHER & INMAS - 2019

Collaborating Institutes: Department of Human Genetics has Memorandum of Understanding with national and international institutes

Sri Ramachandra Institute of Higher Education and Research (Deemed to be University)

Department of Human Genetics

MoU/Linkages Details

S.No	Name of the partnering Institution/industry /research lab/corporate house	Year of commencement	Duration (From - To)	List the activities under each MoU
1.	Sri Devaraj URS Academy of Higher Education and Research, Tamaka, Kolar, Karnataka, India	October 2021	October 2026	<ul style="list-style-type: none"> • Enhance quality of training and Research • Practice and implement common SOP as prescribed by AERB • Exercise Inter lab comparison • Establish cytogenetic Biodosimetry • Research activity in areas of clinical Genetics
2.	Future Medicine in India and NEXTGEN Science, Pvt ltd	October 2020	October 2025	<ul style="list-style-type: none"> • Professional certificate program in Genetic counselling
3.	Indira Gandhi Centre for Atomic Research (IGCAR), Department of Atomic Energy (DAE), Kalpakkam, Tamilnadu, India	October 2020	August 2025	<ul style="list-style-type: none"> • Project Grant obtained, • Publications, • Conference, workshop organized • Student field visit • Training of faculty and students
4.	Institute of Nuclear medicine and Allied Science , DRDO, Delhi	December 2019	December 2024	<ul style="list-style-type: none"> • Radiation Biodosimetry training and activities • Protocol Development • Train Lab Staff to

				increase skill <ul style="list-style-type: none"> • Develop Telescoring • R & D Efforts
5	Alagappa University, Karaikudi, Tamilnadu	May 2016	April 2021	<ul style="list-style-type: none"> • Publications, • PG diploma course on structural pharmacogenomics, • Training in <i>in silico</i> analysis
6.	Narayana Medical College and Hospital, Nellore, Andhra Pradesh	July 2015	June 2020	<ul style="list-style-type: none"> • Publications • Project Grant obtained • 1500 patient sample benefitted by free biochemical testing

Awards for Publication: Attachment

1. **Dr. M. Ravi**, Professor, Department of Human Genetics - Received the Shri. R. Dakshinamurthy and Shrimathi. Adhilakshmiammal Best Research Publication Gold Medal in the Biomedical Sciences, Technology & Research, SRU in the year 2019.
2. **Dr. V. Ganesh**. Professor, Department of Human Genetics - Best Research Publication, Sri Ramachandra Institute of Higher Education and Research (DU) on 18/09/2021
3. **Dr. V. Ganesh**. Professor, Department of Human Genetics - Shri.R.Dakshinamurthy and Smt. Adhilakshmiammal Best research publication gold medal, Sri Ramachandra Institute of Higher Education and Research (DU) on 18/09/2019
4. **Dr. V. Ganesh** Professor, Department of Human Genetics - Certification of merit for publication with impact factor 5.21, Sri Ramachandra University on 18/09/2018
5. **Dr. V. Ganesh** Professor, Department of Human Genetics - Certification of merit for publication with impact factor 3.92, Sri Ramachandra University on 18/09/2018