

DETAILS OF ON-GOING RESEARCH PROGRAMMES/ PROJECTS

S. No	Title & Scope of the R&D project	Name of the Project Leader	Year in which started & Source of funding	Estimated Cost, Rs.					Remarks
				Duration	Capital	Recurring	Total	F.E	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1.	Arthroscopy & Sports Medicine Human chondrocyte culture on Thermo reversible Polymer Gel	Dr. S.Arumugam	2006; Nichi-in centre for Regenerative Medicine, JAPAN	1 year	-	-	15 lakhs	-	---
2.	Arthroscopy & Sports Medicine Chondrocyte Culture on 3D Collagen Scaffold and their characterization	Dr. S.Arumugam	2007 SRMC & CLRI	1 year	-	-	31.7 lakhs	-	---
3.	Arthroscopy & Sports Medicine Efficacy of autologus platelet concentrate in the Treatment of Chronic Epicondylar Tendinosis of Elbow	Dr. S.Arumugam	2007 SRMC	1 year	-	-	50 lakhs	-	Being started
4.	Biochemistry Scientific Evaluation of Copper containing Herbomineral formulations for the management of ulcers	Dr. A.H.R. Vasanthi	2007 CSIR – NIMTLI Govt. of India	-	-	-	107 lakhs	-	Being started

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5.	Biochemistry Scientific Evaluation of safety and Efficacy profile of an Ayuvedica Polyherbal formulation in the management of arthritis	Dr. A.H.R. Vasanthi	2006 DST(DSIR) Govt. of India	3 years	-	-	103 lakhs	-	---
6.	Biochemistry Biochemical and Genetic Studies in Rheumatoid Arthritis- Estimation of inflammatory markers and oxidative stress markers in Rheumatoid arthritis patients.	Dr. Nalini Ganesan	2004 UG Govt. of India	-	-	-	10.00 lakhs	-	---
7.	Biochemistry Scientific evaluation of safety and efficacy profile of an ayurvedic herbal formulation(RO5) in the management of Diabetes mellitus	Dr. A.H.R. Vasanthi & Dr.D.Chamundeeswari (Pharmacy)	2005 DST (DSIR) Govt. of India	3 years	-	-	115.20 lakhs	-	---
8.	Biotechnology Novel approaches to the early diagnosis of tuberculosis	Dr. Ramesh	2007 DBT Govt. of India	3 years	-	-	49.21 lakh	-	Sanctioned in collaboration with TRC, ICMR.

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9.	Biotechnology Bio assay guided fraction of Sardinia extracts	Dr. T.S.Lokeswari	2004 Intramural SRMC	6 years	-	-	5.0 lakhs	-	---
10.	Biotechnology Development of Glycoprobes for surface glycoconjugates for diagnosis	Dr. Charles Emmanuel Jebaraj	2005 Intramural SRMC	5 years	-	-	5.0 lakhs	-	---
11.	Cardiology Hyperlipidemia Study A Multicenter, Randomised, Double Blind & Placebo Controlled Study to demonstrate the lipid – Altering Efficacy and Safety and Tolerability of MK-0524A in patients with primary Hypercholesterolemia or Mixed Hyperlipidemia.	Dr.S.Thanikachalam					80,000		
12.	Cardiology Plato Study A Randomised, Double-blind, Parallel Group, Phase 3,	Dr.S.Thanikachalam					US \$600		

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Efficacy and safety study of AZD6140 Compared with Clopidogrel for prevention of Vascular Events in patients with Non-ST or ST Elevation Acute Coronary Syndromes (ACS), (Plato – A study of Platelet inhibition and Patient Outcomes)

13. Cardiology

Polycap Study

A randomized double-blind controlled trail of the efficacy and safety of PolyCap versus its components in subject with at least one additional cardio-vascular risk factor.

Dr.S.Thanikachalam

4,500.00

14. Cardiology

Oasis 7 Study (Current)

Randomised, multinational, double-blind study, comparing a high loading dose regimen of Clopidogrel

Dr.S.Thanikachalam

65,000

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versus standard dose in patients with unstable angina or non-ST segment elevation myocardial managed with an early invasive strategy.

15. Cardiology

Purse-HIS Study

Population Study of Urban, Rural and Semi urban regions for the detection of Endovascular disease and prevalence of risk factor and Holistic Intervention Study.

Dr.S.Thanikachalam

446.72
lakhs

16. Community Medicine

Multicentric study on Prevalence of Asthma in collaboration with Dept of Pulmonology

Dr. Vijayalakshmi
Thanasekaraan

2007
ICMR,
Govt. of India

18 months

-

-

4,94,960

-

17. Community Medicine

“A Cross Sectional Study on Under Five Morbidity and Health Status in Urban Slums”

Dr. L.Kannan

2007
Intramural -
SRMC

2 years

-

-

-

-

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18. Community Medicine

“Survival Analysis of the Diabetic Patients on Yogasana with Pranayama as an adjunct therapy in SRMCH, Chennai”

Mrs. Parameaswari Kumaresh

2005
Intramural -
SRMC

4 years

-

-

3,04,700

-

19. Endocrinology, Diabetology And Metabolism

The Generations trial: a prospective randomized multicentric international trial on osteoporosis

Dr. Krishna seshadiri

2004
MNC -
Pharmaceutical

5 years

-

-

3.0 croes

-

20. Endocrinology, Diabetology And Metabolism

H7U-MC-IDAS, A Pivotal Open-Label, Parallel Study to Evaluate the Safety and Efficacy of Human Insulin Inhalation Powder (HUP) Compared to Injectable Insulin in Patients with Diabetes and COPD or Asthma

Dr. Krishna seshadiri & Dr.Vijayalakshmi thanasekaran

2006
MNC –
Pharmaceutical
(Eli lily & co)

-

-

-

Rs.20
lakhs

-

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21. **ENDOCRINOLOGY, DIABETOLOGY AND METABOLISM**

MBX 102 - Protocol No.: A Phase 2/3, Randomized, Double-blind, Placebo and active comparator-controlled, Parallel group, Multicenter study to determine the Safety and Efficacy of Metaglidase (MBX-102) in the Treatment of Type 2 Diabetes in patients sub-optimally controlled on Insulin

Dr. Krishna seshadiri 2006
MNC –
Pharmaceutical 1 year - - Rs.30 Lakhs - ---

22. **ENDOCRINOLOGY, DIABETOLOGY AND METABOLISM**

A Phase 3, Open-Label, Parallel-Group study to compare Two Dosing Algorithms for Pre-prandial Human Insulin Inhalation powder (HIIP) in Insulin-Naïve Patients with Type 2 Diabetes Mellitus

Dr. Krishna seshadiri 2007
MNC –
Pharmaceutical 1 year - - Rs.7.5 Lakhs - ---

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23.	Environmental Health Engg. Comparative risk assessment for interventions aimed at reduction of indoor air pollution associated with bio mass fuel use in rural and urban settings of Andhra Pradesh, India -an integrated evaluation based on health risks and greenhouse gas emissions	Dr. Kalpana Balakrishnan	2003 U.S. Environmental Protection Agency	-	-	-	11.00 lakhs	-	---
24.	Environmental Health Engg. Study of Lead Exposure and Outcomes Amongst Children in Chemical Industry	Dr. Kalpana Balakrishnan	2003 NIH, Fogarty center	-	-	-	36.00 lakhs	-	---
25.	Environmental Health Engg. Exposure to biomass fuel smoke and tuberculosis - A case control study based in a rural district of Tamil Nadu in Southern India	Dr. Padmavathy	2005 NIH, Fogarty center	-	-	-	6.75 lakhs	-	---
26.	Environmental	Dr. Kalpana	2004	-	-	-	-	-	---

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	Health Engg. Time series study on air pollution and mortality in Chennai	Balakrishnan	Health Effects Institute, USA				22.5 lakhs		
27.	Environmental Health Engg. Environmental pollution, social structure, and health outcomes in India	Dr. Kalpana Balakrishnan	2004 Indo-US through National Council of Applied Economic Research & University of Maryland.	-	-	-	8.00 lakhs	-	---
28.	Environmental Health Engg. Assessing & Mitigating Health Risks from Pollution by Small and Medium Scale Enterprises (SMEs) Initiative in Uttar Pradesh.	Dr. Kalpana Balakrishnan	2005 IDRC, Canada	-	-	-	46 lakhs	-	---

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29.	Environmental Health Engg. Sound chemicals management for a healthier environment in India and Vietnam	Dr. Kalpana Balakrishnan	2006 European Commission Belgium	-	-	-	58.00 lakhs	-	---
30.	Environmental Health Engg. Joint consortium on occupational and Environmental Health estimation exposure response relationships	Dr. Kalpana Balakrishnan	2006 Ohio state University, USA	-	-	-	24.00 lakhs	-	---
31.	Human Genetics Study on the Genetic variation of HVA-G alleles in couples with explained recurrent spontaneous abortion.	Dr. P.Venkatachalam	2006 DST, Govt. of India	-	-	-	9.42 lakhs	-	---
32.	Human Genetics Genomic instability in bystander human cells and their progeny exposed to ionizing radiation using 3-D cultures	Dr. P.Venkatachalam	2007 DST, Govt. of India	-	-	-	20.00 lakhs	-	---

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33.	NEUROSURGERY Comparison of Sevoflurane and Isoflurane maintenance of Neuroanaesthesia.	Prof. A. Rout	2001 Pharma supported	6 years	-	-	-	-	---
34.	NEUROSURGERY Role of Sodium Nitroprusside in the Management of Cerebral Vasospasm following Aneurismal Subarachnoid Haemorrhage.	Prof. D.Rout	2005 Pharma supported	2 years	-	-	-	-	---
35.	NEUROSURGERY Hyponatremia in Neurosurgical patients.	Dr. K.Selvakumar	2004 Pharma supported	3 years	-	-	-	-	---
36.	OBSTETRICS & GYNAECOLOGY Phase III RCT Double Blind Placebocontrol to assess safety and efficacy and tolerability of prochieve 8% progesterone gel in	Dr. Jaya.V	2006 Pharma supported	3 years	-	-	-	-	---

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	preventing preterm delivery in pregnant woman at increased risk for preterm delivery								
37.	ORTHOPAEDICS Development of Ceramic Coated Schanz Pin	Prof. A. Chandrasekaran	2005 Intramural SRMC	2 years	-	-	-	-	In collaboration with Sathyabama Engineering college
38.	ORTHOPAEDICS “Spatial Taylor frame and software to operate it”	Prof. A. Chandrasekaran	2004 Intramural SRMC	3 years	-	-	-	-	In collaboration with IIT, Chennai
39.	ORTHOPAEDICS Osteoporosis research analyzing femoral heads retrieved from patients operated for fracture neck of femur	Prof. A. Chandrasekaran	2004 Intramural SRMC	2 years	-	-	-	-	In collaboration with CLRI, Chennai
40.	PAEDIATRIC SURGERY Role of laparoscopy in non-palpable testis	Prof. R.K.Bagdi	2006 Pharma supported	2 years	1 lakh	20000	1.20 lakhs	-	---
41.	PATHOLOGY Ultrastructural study of atherosclerotic plaques in endarterectomy specimens.	Dr. Sarah Kuruvilla	2005 Intramural SRMC	-	-	-	-	-	---

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42.	PATHOLOGY Study of Teuascin BRCA ₁ & BRCA ₂ in Breast Cancer	Dr. Sarah Kuruvilla	2007 Pharma supported	-	-	-	2.0 lakhs	-	---
43.	PATHOLOGY Study of coronary atherosclerosis using angiography and electron microscopy	Dr. Sarah Kuruvilla	2007 Intramural	-	-	-	-	-	---
44.	PHARMACOGNOSY Activity guided fractionation of selected medicinal plants on inflammatory markers in Rheumatoid Arthritis	Dr. D. Chamundeeswari	2006	3 years	-	-	15.42 lakhs	-	---
45.	Physiology A case control study based in a rural district of Tamil Nadu in Southern India to establish correlations between exposure to indoor air pollution and incidence of tuberculosis	Dr. Padmavathi	2005 Intramural	2 years	-	-	-	-	---
46.	PULMONOLOGY A Randomised, Double – blind Placebo- controlled. Parallel group to assess long term (one year) efficacy and safety of tiotropium Inhalation solution	Dr. Vijayalakshmi Thanasekaran	2006	1½ years	-	-	-	-	Pharma supported

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	5mcg (2.5 mcg) Delivered by the Respimat Inhaler in Patients with Chronic Obstructive Pulmonary Disease.Trial:205.372								
47.	PULMONOLOGY Multi – centric study on prevalence of Asthma.	Prof. S.K.Jindal, Chandigarh & Dr.Vijayalakshmi Thanasekaran, SRMC	2007 ICMR	1½ years	-	-	4 lakhs	-	---
48.	PULMONOLOGY Efficacy and Safety of CFC-Free formulation of Budesonide compared with the reference CFC formulations in Patients with asthma: A randomized, Multicentre, Double Blind Trial in Parallel Groups of Patients with persistant Moderate Asthma	Dr.Vijayalakshmi Thanasekaran	2006 Intramural	4 months	-	-	58000	-	
49.	SURGICAL GASTROENTEROLOGY phase 2 Double blinded, placebo controlled, multi centre are adjuvant trial of the efficacy, immunogenicity and safety of GI-4000, an inactivated recombinant Saccharomyces	Dr. Arcot Rekha	2006	3 years	-	-	-	-	Pharma supported

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Cerevisae Expressive mutant Ras protein combined with a gemcitabine regimen vs Gemcitabine regimen with placebo, in patients with post resection Ro / R 1 pancreatic cancer with Tumor Sequence confirmation of Ras mutations.

50. Speech, Language & Hearing Sciences

A study on clinical characterization and genetic liability to developmental stuttering

Roopa Nagarajan

2004

3 years

-

-

-

-

Pharma supported