



SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY

LIST OF APPROVED PhD GUIDES AND THEIR AREAS OF RESEARCH

(AT DIFFERENT WINGS OF SCTIMST & CENTRES CONDUCTING AFFILIATED PROGRAMS)

HOSPITAL WING, SCTIMST

Sl. No.	Name, Designation Department/ Division/ Lab	Areas of Research	Contact details
1	Dr. Asha Kishore Director, SCTIMST & Professor (Senior Grade) Dept. of Neurology	"Genetics and molecular pathology of movement disorders, Non-invasive brain stimulation-based neuro-science research (transcranial magnetic stimulation and fMRI based research)" in movement disorders	Email: asha@sctimst.ac.in Tel.: 0471-2524601
2	Dr. Ashalatha Radhakrishnan Professor Dept. of Neurology	Epilepsy, Sleep Medicine, Electrophysiology, Imaging and Epilepsy	Email: drashalatha@sctimst.ac.in Tel.: 0471-2524282 Mob.: 9847416321
3	Dr. S. Harikrishnan Professor Dept. of Cardiology	Atherosclerotic coronary artery disease in the young, Epidemiology-Coronary artery disease, Rheumatic valvular heart disease, Pulmonary hypertension	Email: drhari@sctimst.ac.in Tel.: 0471-2524458
4	Dr. C. Kesavadas Professor Dept. of Imaging Sciences and Interventional Radiology	Functional neuroimaging, magnetic resonance imaging, Medical image processing	Email: kesav@sctimst.ac.in Tel.: 0471-2524215 Mob.: 9447047002
5	Dr. Ramshekhar N. Menon Additional Professor Dept. of Neurology	Pediatric epilepsy cognitive neurosciences	Email: rsnmenon@sctimst.ac.in Mob.: 9946916769; 9495691626
6	Dr. Sanjeev Thomas Professor (Sr. Grade) Dept. of Neurology	Clinical epileptology, Electrophysiology, Pharmacogenomics, Molecular genetics of epilepsy, Neuropsychology, Language dysfunction	Email: sanjeev@sctimst.ac.in Tel.: 0471-2524468
7	Dr. K. Shivakumar Scientist G and Head Division of Cellular & Molecular Cardiology	<i>This laboratory focuses on molecular mechanisms that determine the critical role of cardiac fibroblasts in the structural and functional remodeling of the heart associated with several cardiovascular disease states. The specific areas of interest at this time include: 1) regulation of the cardiac fibroblast cell cycle; 2) molecular basis of the relative resistance of cardiac fibroblasts to apoptosis, and; 3) regulation of AT1, DDR2 and collagen gene expression in cardiac fibroblasts.</i>	<i>Email: shivak@sctimst.ac.in Tel.: 0471-2524593 Mob.: 9446192517</i>
8	Dr. S. Sivasankaran Professor Dept. of Cardiology	Pediatric and preventive cardiology and cardiovascular epidemiology	Email: siva@sctimst.ac.in Tel.: 0471-2524458
9	Dr. G. Srinivas Scientist F Dept. of Biochemistry	Mitochondrial metabolism and function in diabetic heart, myocardial autophagy in diabetes, protein modifications in type 2 diabetes, role of macrophages in amyloid beta clearance in Alzheimer's disease.	Email: srinivasg@sctimst.ac.in Tel.: 0471-2524689 Mob.: 8547547918

10	Dr. P. N. Sylaja Professor Dept. of Neurology	Neuroimaging in stroke, stroke rehabilitation and stroke genetics.	Email: sylajapn@sctimst.ac.in; sylajapn@hotmail.com Tel.: 0471-2524482 Mob.: 9446566287
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ACHUTHA MENON CENTRE FOR HEALTH SCIENCE STUDIES, SCTIMST

Sl. No.	Name, Designation Department/ Division/ Lab	Areas of Research	Contact details
1.	Dr. Biju Soman Additional Professor	Public Health, Public health technologies (Informatics, GIS-Public Health, Telemedicine & HTA). Epidemiology, disease surveillance & precision public Health; Data science & public health analytics.	Email: bijusoman@sctimst.ac.in Tel.: 0471-2524230 Mob.: 9447862736
2.	Dr. P. Jeemon	Chronic diseases, Complex public health interventions, disease registry	Email: jeemon@sctimst.ac.in Tel.: 0471-2524250
3.	Dr. Mala Ramanathan Professor	Public Health, Medical Anthropology, Gender in public health, Population Sciences	Email: mala@sctimst.ac.in Tel.: 0471-2524234
4.	Dr. V. Raman Kutty Professor (Sr. Grade) & Head	<i>Epidemiology, Health System Research, Public health, Epidemiology of diabetes, Health policy</i>	<i>Email: rkutty@sctimst.ac.in Tel.: 0471-2524240 Mob.: 9847060199</i>
5.	Dr. P. Sankara Sarma Professor	Applications of Biostatistics and Demography in Health and Medical Sciences	Email: sarma@sctimst.ac.in Tel.: 0471-2524232
6.	Dr. K. Srinivasan Additional Professor	Public Health, Health Management, Health System Research	Email: ksriini@sctimst.ac.in Tel.: 0471-2524243 Mob.: 9895162657
7.	Dr. T.K. Sundari Ravindran Professor	<i>Public Health, Gender Issues in Health Systems, Social determinants of health, sexual and reproductive health and health systems/health sector reform</i>	<i>Email: sundari@sctimst.ac.in Tel.: 0471-2524233 Mob.: 9447757974</i>

BIOMEDICAL TECHNOLOGY WING, SCTIMST

1	Dr. P.R. Anil Kumar Scientist E Division of Tissue Culture	3D Bioprinting, Stem Cells, Tissue Engineering and Regenerative Medicine, Novel Polymeric Scaffolds Cell Technologies-Cell Sheet Technology, 3D culture systems, <i>In vitro</i> organotypic systems, Bioreactors.	Email: anilkumarpr@sctimst.ac.in Tel.: 0471-2520311 Mob.: 9447340754
2	Dr. T.V. Anilkumar Scientist G Division of Experimental Pathology	Experimental Pathology, Mammalian derived extracellular matrix for tissue engineering applications	Email: tvanilkumar@sctimst.ac.in Tel.: 0471-2520305
3	Dr. T. Anoop Kumar Scientist G Division of Molecular Medicine	Molecular Neurobiology	Email: anoop@sctimst.ac.in Tel.: 0471-2520257; 2520256 Mob.: 9495200824
4	Dr. P.R. Harikrishna Varma Head, BMT Wing	Synthesis and characterization bioactive ceramics and their composites, nano ceramic and inorganic materials for biomedical applications, Chemical methods of synthesis of bioceramic materials, biomimetic preparation and processing of advanced inorganic-organic materials , biosensors and their fabrication using advanced ceramic processing methods, ceramic coatings by pulsed laser ablation and other techniques	Email: varma@sctimst.ac.in Tel.: 0471-2520201 Mob.: 9446454427
5	Dr. R.S. Jayasree Scientist E Division of Biophotonics and Imaging	Synthesis and characterization of nanomaterials for sensing, therapy and imaging applications. Gold Quantum cluster based-biosensors, imaging contrast agents and therapeutic agents, iron oxide based-MRI and optical imaging contrast agents, gold nanorod based-therapeutic and optical imaging agents, QD-CNT based systems for imaging etc. Fluorescence spectroscopic techniques for the differentiation of normal and diseased tissues. Development of low cost diagnostic systems for fluorescence and diffuse reflectance spectra and imaging. In vivo and ex vivo Fluorescence Spectroscopy, Imaging and Image processing.	Email: jayasree@sctimst.ac.in Tel.: 0471-2520273
6	Dr. V. Kalliyana Krishnan Dean & Scientist G (Sr. Grade) Division of Dental Products	<i>Novel scaffolds for tissue engineering, Controlled drug delivery systems, Nanoparticle studies for cardiovascular applications, Tomographic studies of dental microstructure, Raman spectroscopic studies of biomaterials, Development of novel dental biomaterials</i>	<i>Email: kalyankv@sctimst.ac.in Tel.: 0471-2520221 Mob.: 9447134060</i>
7	Dr. Kamalesh K. Gulia Scientist E Division of Sleep Research	Neurophysiology of sleep and Cognition; Role of sleep in developmental programming; Neural dynamics after sleep deprivation using animal models, and simulation protocols in human; Mechanism for interaction of sleep and thermoregulation; Identification of non-pharmacological interventions for treating insomnia ; Evaluation of ayurvedic principles for regulation of sleep.	Email: kkgulia@sctimst.ac.in Tel.: 0471-2520398 Mob.: 9048344712
8	Dr. Lissy K. Krishnan Scientist G Division of Thrombosis Research	<i>Major goal of research is to develop autologous cells for regenerative medicine with specific emphasis on applications of adult stem cells for vascular tissue engineering, skin tissue engineering and neural regeneration. The strategy adopted by the group is to design</i>	<i>Email: lissykk@sctimst.ac.in Tel.: 0471-2520219 Mob.: 9447046727</i>

		<i>cell-specific fibrin composite comprising adhesive proteins and growth factors as niche for adult stem cell isolation, differentiation & transplantation in animal models. The research guided by her has led to: differentiation of multi potent adult progenitor cells (MAPC) in human peripheral blood mononuclear cell (PBMNC) fraction to endothelial cells, smooth muscle cells, keratinocytes, and neurons; differentiation of human adipose derived mesenchymal stem cells (ADMSC) to dermal fibroblasts, epidermal keratinocytes and cardiomyocyte progenitors; and differentiation of rat bone marrow derived mesenchymal stem cells (BMDMSC) to neurons. Stem cell/differentiated cells are characterized by studying expression of specific markers at transcriptional and translational level using modern techniques</i>	
9	Dr. P.P. Lizymol Scientist E Division of Dental Products	Polymer composites, Inorganic hybrid materials (Ormocers), synthesis of polymers for medical and dental applications, Nano composites, smart composites and dental tissue remineralization	Email: lizymol@sctimst.ac.in Tel.: 0471-2520329
10	Dr. Manoj Komath Scientist G Division of Bioceramics	Materials Physics, Design and development of synthetic bone substitute materials, Design of injectable bioactive bone cements, Development of bioactive coatings on implants, Development of protective and functional carbon coatings on medical devices.	Email: manoj@sctimst.ac.in Tel.: 0471-2520240 Mob.: 9387414142
11	Dr. A. Maya Nandkumar Scientist G Division of Microbial Technology	Developing Tissue Engineered models for study of cell – material – bacterial interactions. Gene expression profiling in microbial biofilm.	Email: anmaya@sctimst.ac.in; amayanandkumar@gmail.com Tel.: 0471-2520260 Mob.: 9446559543
12	Dr. P.V. Mohanan Scientist G Division of Toxicology	Toxicological/biocompatibility studies of materials, Nanomaterial toxicology, Molecular and Immunotoxicology, Toxicology of degradable materials, Development of In vitro alternative methods in toxicology, Hypersensitivity (allergy) studies of biomaterials	Email: mohanpv@sctimst.ac.in Tel.: 0471-2520266 Mob.: 9446542702
13	Dr. Prabha D. Nair Scientist G (Sr. Grade) Division of Tissue Engineering and Regeneration Technologies	Tissue engineering and stem cell research. Novel biomaterials and scaffolds- Synthesis & characterization, Controlled drug delivery.	Email: prabha@sctimst.ac.in Tel.: 0471-2520242 Mob.: 9895574350
14	Dr. P. Ramesh Scientist G Division of Polymeric Medical Devices	Polymeric biomaterials for medical devices and implants, processing of biomedical polymers, nanocomposites, biodegradable and bioactive composites, electrospinning of polymers and composites, polymeric bioelectrodes and conductive hydrogels	Email: rameshp@sctimst.ac.in Tel.: 0471-2520225 Mob.: 9446489752
15	Dr. M.R. Rekha Scientist E Division of Biosurface Technology	Oral peptide/drug delivery systems and non-viral gene delivery systems, nanomedicine towards solid tumor therapy, hemocompatibility of nanoparticulate drug and gene delivery matrices.	Email: rekhamr@sctimst.ac.in Tel.: 0471-2520284 Mob.: 9847955634
16	Dr. Roy Joseph Scientist G Division of Polymeric Medical Devices	Radiopaque polymers for embolization–liquid and microspheres, Polymer-ceramic/bioglass composites, bioink for 3D bioprinting, cell-nanomaterial interactions, metal–curcumin complexes for medical applications, surface	Email: rjoseph@sctimst.ac.in Tel.: 0471-2520275 Mob.: 9447000987

		modification of medical devices, hydrogel systems, translational research	
17	Dr. P.R. Umashankar Scientist G Division of In vivo Models and Testing	Regenerative medicine, Guided tissue regeneration, Scaffold induced regeneration, Pharmacological modulation of tissue response, Animal models, Medical device safety/efficacy.	Email: umashnkr@sctimst.ac.in Tel.: 0471-2520226 Mob.: 9495984231

**PHD GUIDES OF AFFILIATED PROGRAMS AT
CHRISTIAN MEDICAL COLLEGE, VELLORE**

Sl. No.	Name and Designation	Areas of Research	Contact details
1.	Dr. Alok Srivatsava	Stem Cell Biology, molecular haematology and genetherapy	Email: aloks@cmcvellore.ac.in
2.	Dr. E. Eunice Sindhuv	Characterization of genes involved in iron metabolism. Regulation of globin synthesis in Haemoglobin E syndromes	Email: Eunice@cmcvellore.ac.in Tel.: 0416-2283569
3.	Dr. Gagandeep Kang	Public Health, communicable diseases, Vaccine preventable diseases, enteric infections, molecular Epidemiology	Email: gkang@cmcvellore.ac.in Tel.: 0416-2282052
4.	Dr. Jasmin Helan	Public Health, Reproductive and Adolescent Health Women's Health - Reproductive Tract Infection - Sexually Transmitted Infection - HIV Prevention - Economic Evaluation Studies	Email: jasminp@cmcvellore.ac.in Tel.: 0416-2284400
5.	Dr. Murugan Ramalingam	Focused on the development of multiphase biomedical materials, through conventional to nanotechnology to biomimetic approaches, microfabrication, cell patterning, stem cell differentiation, tissue engineering and drug delivery	Email: murugan@cmcvellore.ac.in Tel.: 0416-3075137
6.	Dr. B. Poonkuzhali	Mechanisms and modulation of drug resistance in leukemias, pharmacogenetics of anticancer agents, Conditioning regimens in Allogeneic stem cell transplantation	Email: bpoonkuzhali@cmcvellore.ac.in Tel.: 0416-2283476
7.	Dr. R.V. Shaji	Stem Cell Biology, Molecular Haematology	Email: rvshaji@cmcvellore.ac.in Tel.: 0416-3075114
8.	Dr. Srinivas Babu	Neurophysiology	Email: srinivas@cmcvellore.ac.in Tel.: 0416-2282442
9.	Dr. Suresh Devasahayam	Biomedical Signal Processing, Biomedical Instrumentation, Rehabilitation Engineering, Physiological Measurement	Email: surdev@cmcvellore.ac.in Tel.: 0416-2285097; 2285098
10.	Dr. Vikram Mathews	Leukemia biology and resistance, Evaluation of novel combination therapy for leukemia. Allogeneic stem cell transplantation, graft manipul	Email: vikram@cmcvellore.ac.in Tel.: 0416-3072801
11.	Dr. Vrisha Madhuri	Tissue Engineering and Regenerative Medicine, Musculoskeletal Stem Cells in Orthopaedics	Email: madhuriwalter@cmcvellore.ac.in Tel.: 0416-2282171
12.	Dr. Jacob John	Public Health: Infectious disease epidemiology, Vaccine preventable pediatrics infectious diseases.	Email: Jacob@cmcsph.org Tel: 0416-2284207

PhD GUIDES OF AFFILIATED PROGRAM AT
INDIAN INSTITUTE OF PUBLIC HEALTH, NEW DELHI

Sl. No.	Name and Designation	Areas of Research	Contact details
1	Prof. Sanjay Zodpey Vice President – PHFI and Director – IIPH Delhi	Epidemiology and Health Systems	Email: sanjay.zodpey@phfi.org Mob.: 09871115640
2	Dr. Habib Hasan Farooqui Associate Professor	Pharmaceutical economics, Economic burden of diseases, Cost Effectiveness Analysis, Access to Medicines, Access to vaccines, medicine utilisation and expenditures, Impact evaluation of policy interventions	Email: habib.hasan@iiphd.org Mob.: 09999984673
3	Dr. Suparna Ghosh-Jerath Additional Professor	Public Health Nutrition	Email: suparna.ghoshj@iiphd.org Mob.: 09711311910
4	Dr. Sutapa Bandyopadhyay Neogi Additional Professor	Maternal, newborn and child health	Email: sutapa.bneogi@iiphd.org Tel.: 0124-4722911

PhD GUIDES OF AFFILIATED PROGRAM AT
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY & MANAGEMENT –
KERALA

Sl. No.	Name and Designation	Areas of Research	Contact details
1.	Dr. Joseph Suresh Paul Associate Professor	Medical Image Processing, Magnetic Resonance Imaging, MR Image Acquisition and Signal Processing	Email: j.paul@iiitmk.ac.in Tel.: 0471-2527567 Mob.: 9846627817

PhD GUIDES OF AFFILIATED PROGRAM AT
NATIONAL INSTITUTE OF EPIDEMIOLOGY, CHENNAI

Sl. No.	Name and Designation	Areas of Research	Contact details
1.	Dr. Manoj Murhekar Scientist G	Epidemiology	Email: mmurhekar@gmail.com Tel.: 044-26136426 Mob.: 9444414663

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