



**SREE CHITRA TIRUNAL  
INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY**

THIRUVANANTHAPURAM-695 011, KERALA, INDIA

(An Institute of National Importance under Govt. of India with the status of University by an Act of Parliament in 1980)

**DIVISION OF ACADEMIC AFFAIRS**

**GUIDES / AREAS OF SPECIALTY AVAILABLE FOR JANUARY 2012 PhD ADMISSION**

Sl. No	Name of the Research Guide / Department /Lab/ Div	Contact Details	Area of Specialty
1	<b>Dr. Radhakrishnan. K</b> <i>Dept. of Neurology</i>	krk@ sctimst.ac.in 2524282/ 2524400	Long term quality of life outcome of surgically treated patients with epilepsy
2	<b>Dr. Kishore, Asha</b> <i>Dept. of Neurology</i>	asha@sctimst. ac.in 2524268	Genetics, motor physiology including transcranial magnetic stimulation, electrical stimulation, drug delivery systems, technology development for diagnosis and evaluation of movement disorders
3	<b>Dr. Sivasankaran S</b> <i>Dept. of Cardiology</i>	siva@sctimst.ac.in 2524458	Life style related topics on body composition and diet
4	<b>Dr. Thomas, Sanjeev.V</b> <i>Department of Neurology</i>	sanjeev@sctimst.ac.in 2524468	Clinical epileptology, Electrophysiology, Pharmacogenomics, Molecular genetics of epilepsy, Neuropsychology, Language dysfunction
5	<b>Dr. Sandhyamani.S</b> <i>Department of Pathology</i>	ssm@ sctimst.ac.in 2524605	Pathobiology and genetics of Cardiac & Cerebro-Vascular diseases, Diabetes Mellitus and Metabolic Syndrome, Rheumatic Heart Disease and Lung Cancers; Fluorescence & Raman spectroscopy techniques for in-vitro & invivo molecular characterization and diagnosis of Vascular, Cardiac, Pulmonary and Thoracic lesions; Toxico-nutritional diseases, with special reference to tobacco and drug-induced blood and muscle disorders
6	<b>Dr. Renuka Nair.R</b> <i>Division of Cellular and Molecular Cardiology</i>	renuka@sctimst.ac.in 2524505	Cardiac stem cell biology, metabolic modulation in cardiac hypertrophy
7	<b>Dr. Shivakumar.K</b> <i>Division of Cellular and Molecular Cardiology</i>	shivak@sctimst.ac.in 2524593	Unlike cardiac myocytes, cardiac fibroblasts retain their replicative capacity throughout adult life and are relatively resistant to several pro-apoptotic stimuli that prevail in pathophysiological states of the myocardium, which underlie their critical role in the structural and functional remodeling of the heart following injury. This laboratory focuses on the regulation of the cardiac fibroblast cell cycle and the relative resistance of these cells to apoptosis.

8	<b>Dr. Mathuranath. P.S</b> <i>Dept. of Neurology</i>	mathu@sctimst. ac.in 2524584	Neuroimaging(structural and functional),Neuropsychological,Molecular Cellular &Neurogenetics aspects of Cognition & Behavioural Neuroscience,Dementias and Neurodegenerative diseases
9	<b>Dr. Kesavadas.C</b> <i>Imaging Sciences and Interventional Radiology</i>	kesav@sctimst.ac.in 2524215	Functional neuroimaging, magnetic resonance imaging, Medical image processing
10	<b>Dr. Srinivas. G</b> <i>Dept. of Biochemistry</i>	srinivasg@ sctimst.ac.in 2524689	Signalling events in Gliomas, Pathobiology of neurodegenerative disorders, Regulation of autophagy is diseases
11	<b>Dr. Thankappan. K.R</b> <i>AMCHSS</i>	thank@ sctimst.ac.in 2524231	Chronic disease epidemiology and health system research
12	<b>Dr. Kutty, V.Raman</b> <i>AMCHSS</i>	rkutty@sctimst.ac.in 2524240	1. Health Systems and Policy 2. Epidemiology (esp epidemiology of diabetes)
13	<b>Dr. Sharma, Chandra P</b> <i>Biosurface Technology</i>	sharmacp@sctimst.ac.in 2520214	Polymeric and metallic micro/nano particles based drug/protein/gene delivery systems, surface modification and tissue/blood compatibility
14	<b>Dr. Sreenivasan. K</b> <i>Polymer Analysis</i>	sreeni@sctimst.ac.in 2520248/258	Design, synthesis and evaluation of smart polymers, functionalized metallic nano particles and nano/micro capsules in sensing and drug delivery applications
15	<b>Dr. Jayabalan.M</b> <i>Polymer Science Division</i>	jaybalan@sctimst.ac.in 2520212/252	Biomedical materials and polymers for medical applications, Implant and medical devices, Tissue engineering
16	<b>Dr. Joseph, Roy</b> <i>Polymer Processing Laboratory</i>	rjoseph@sctimst.ac.in 2520225/275	Processing and testing of polymers for biomedical application, Mechanical and dynamic testing of polymeric materials, Polymer-ceramic/bioglass composites, Sustained drug delivery systems, Radiopaque polymers for medical application, Surface coating on devices, Hydrogel systems, Curcumin solubilization for medical applications
17	<b>Dr. Mohanan.P.V</b> <i>Toxicology</i>	mohanpv@sctimst.ac.in 2520266/246	Toxicological/biocompatibility studies of materials, Molecular and Immunotoxicology,Nanomaterial toxicology,Toxicology of degradable materials,Development of In vitro alternative methods in toxicology,Hypersensitivity (allergy) studies of biomaterials
18	<b>Dr. Thekkuveetil, Anoop Kumar</b> <i>Molecular Medicine</i>	anoop@sctimst.ac.in 2520256/257	Molecular Neurobiology

19	<b>Dr. Varma, Harikrishna. P.R</b> <i>Bioceramics and SEM</i>	varma@sctimst.ac.in 2520220/240	Synthesis and characterisation 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
20	<b>Dr. Jayasree.R.S</b> <i>Biophotonics and Imaging Laboratory</i>	jayasree@sctimst.ac.in 2520273	Diagnostic and therapeutic application of lasers in medicine, Development of MR and optical nanoprobe (SPIO,USPIO,Gold Nanoprobes, carbon nanotubes and quantum dots) for molecular imaging and image processing
21	<b>Dr. Lizymol. P.P</b> <i>Dental Products Lab</i>	lizymol@ sctimst.ac.in 2520311	Polymer composites, synthesis of polymers for medical and dental applications, Inorganic hybrid materials (Ormocers), Nano composites, smart composites and dental tissue remineralization