



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

**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)

No. DAA/PhD/Advt/SCTIMST/15

Dated 09-06-2015.

**ADMISSION NOTIFICATION**

**ADMISSION TO Ph.D. PROGRAMME  
(Only for JRF Fellowship Holders of UGC/CSIR/ICMR/DBT/INSPIRE)**

Applications are invited from highly motivated students for admission to the Ph.D. programme beginning in August 2015 at Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum.

**Eligibility:**

(1) Post-graduate degree in Physics, Chemistry, Materials Science, Polymer chemistry/ Polymer sciences, Biochemistry, Biotechnology, Physiology, Zoology or any other branch of life sciences (excluding plant sciences and Bioinformatics). M.Tech in Polymer Engineering/Technology, M.Tech in Materials Science or Post graduate degree in Public Health, Cardiovascular Sciences, Neurosciences and Imaging & Interventional Radiology, Dentistry, Nursing, Veterinary Sciences, Social Sciences and Statistics or MBBS (The separate guidelines published in the Institute website for MBBS to Ph.D. programme stream may be referred before applying).

(2) JRF HOLDERS ONLY (UGC/CSIR/ICMR/DBT/INSPIRE).

**Available Areas of Specialties for August 2015 Session:**

- Molecular Genetics in Epilepsy/ Neurology
- Molecular Neurobiology
- Non invasive brain stimulation using Transcranial magnetic stimulation in movement disorders
- Stroke

- Cellular and molecular cardiology, focusing on the molecular biology of cardiac fibroblasts
- Functional neuroimaging, magnetic resonance imaging, Medical image processing
- Neurophysiology of sleep and Cognition
- Pediatric and preventive cardiology and cardiovascular epidemiology
- Sexual and reproductive health, gender and health, health systems and social determinants of health.
- General epidemiology, health systems and policy, diabetes epidemiology, mental health epidemiology
- Gender and Public Health'
- Experimental Pathology, Mammalian derived extracellular matrix for tissue engineering applications
- Cell - Material interaction, Biocompatibility, stem cells and tissue engineering
- Study on microbial genomics and products
- Nano/microparticulate oral peptide and gene delivery systems, nanomedicine towards solid tumor therapy.
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- 'Biophotonics and Imaging" and specific area "Nano-biophotonics for imaging and therapy'
- 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
- Biomedical materials and polymers for medical applications, Implant and medical devices, Tissue engineering

**Minimum marks required to apply:**

Consistently good academic record with 60% (GPA 6.5/10) marks in undergraduate and post graduate examinations. For applying for Ph.D. in medical specialties, the candidate must have minimum 55% marks in MBBS and other rules cited in the separate guidelines published in our website for MBBS to Ph.D. programme stream.

Individual with Junior Research Fellowship (JRF) obtained on the basis of a national level test (UGC,CSIR,ICMR,DBT) or INSPIRE only need apply and selection will be based on Interview.

**NOTE:**

(a) The application has to be submitted by online using our Website: <http://www.sctimst.ac.in>. The cost of application form is Rs.1,000/- (Rupees One Thousand Only) (For SC/ST candidates Rs.800/-) by online payment only. **Any fee paid once will be not be refunded.**

(b) Hard copy of the duly signed online application form along with prescribed fee by online payment with copies of relevant documents, online payment receipt etc should reach Division of Academic Affairs before the last date. On the top of the envelope containing "APPLICATION FOR ADMISSION TO Ph.D PROGRAMME-2015 (JRF FELLOW ONLY)".

(c) Important dates:

1. Last date of receipt of completed application form by online : 10-07-2015
2. Last date of receipt of hard copy of the application with enclosures : 15-07-2015
3. Downloading admit cards : 23-07-2015
4. Date of Interview : 30-07-2015
5. Venue: N.H.Wadia Conference Hall, AMC, 5<sup>TH</sup> Floor, SCTIMST, Medical College, Thiruvananthapuram-695011.

Candidates found eligible for admission will be intimated and their names will also be displayed on our website.

Apply to : **The Deputy Registrar  
Division of Academic Affairs  
Sree Chitra Tirunal Institute for Medical Sciences & Technology  
Thiruvananthapuram-695011  
Kerala, India**

Contact Nos : (0471) 2524269, 2524649 and 2524140  
Email Id : [dreg@sctimst.ac.in](mailto:dreg@sctimst.ac.in)

For more information, please refer to the Ph.D Manual, Ph.D course work, guidelines for MBBS to Ph.D programme stream and List of approved Ph.D guides available in the Institute website [www.sctimst.ac.in](http://www.sctimst.ac.in).

**DIRECTOR**