



# Sree Chitra Tirunal Institute for Medical Sciences and Technology

Thiruvananthapuram 695 011

(An Institution of National Importance under Department of Science and Technology,  
Government of India)

## Invites applications from Indian Nationals for the following posts:

- 1. Professor (Health Science Studies)** (Vacancy 1) Rs 18,400–500–22,400. Upper age limit: 50 years as on 30–04–2006. **Qualification and experience:** M.D./Ph.D. in Public Health/Epidemiology/Biostatistics/Health Economics/Medical Anthropology/Health Planning and Policy with 14 years of teaching and/or research experience in the relevant area.
- 2. Asst. Professor** in (a) **Neurosurgery** (3 years Tenure, Post 1); (b) **Neurology** (2 years Tenure, Post 1) and (c) **Anaesthesiology** (1 year Tenure, Post 1).  
*Scale of Pay:* Rs 11,625–325–15,200/-. Upper age limit 40 years as on 30–04–2006. **Qualification and experience for posts 2(a) and (b):** One year of teaching and/or research experience after obtaining M.Ch./D.M. in the speciality concerned or its equivalent qualification in the case of 2 years course and just after M.Ch./D.M. in the case of three years course and six years after MBBS with M.Ch./D.M. in the case of direct 5 year course. **Qualification and experience for post 2(c):** Three years teaching and/or research experience after obtaining the requisite post-graduate qualification in the speciality. In the case of those with Post Doctoral Certificate Course in Anaesthesia from this Institute, one-year duration of the course will be considered as teaching/research experience.  
  
*Note:* (i) Must have a medical qualification included in the Indian Medical Council Act 1956 and Registration with the Central/State Medical Registration Council. (ii) Wherever applicable equivalent qualifications for example FRCP(C), etc. will also be considered as sufficient qualification.
- 3. Scientist – C (Imaging Sciences and Interventional Radiology)** (Vacancy 1) Rs 10,000–325–15,200/-. Upper age limit 35 years as on 30–04–2006. **Qualification and experience:** Ph.D. in physics with research experience in laser technology/spectroscopy related to MRI.
- 4. Scientist – C (Histopathology)** (Vacancy 1) Rs 10,000–325–15,200/-. Upper age limit 35 years as on 30–04–2006. **Qualification and experience:** M.D./M.VSc. in pathology. *Desirable:* Experience in biocompatibility evaluation of materials for medical devices in histomorphometry, immuno-histochemistry and other new techniques. *Job description:* Histopathological evaluation of implanted materials and tissues for assessing biocompatibility; basic studies in understanding tissue material interactions.
- 5. Scientist – C (Bio-Surface Technology)** (Vacancy 1) Rs 10,000–325–15,200/-. Upper age limit 35 years as on 30–04–2006. **Qualification and experience:** Ph.D. in Physical Chemistry or Materials Science. *Desirable:* (i) Experience in developing surfaces by various physico-chemical-biological methods; using Langmuir Blodgett equipment to enhance the biocompatibility of materials for various biomedical applications; development of nanoparticles and their evaluation for drug delivery applications. *Job description:* R&D in area of surface modification of materials for medical applications and blood compatibility; nanoparticle based Drug Delivery Systems. The candidate should be capable of independent problem solving and collaborative work in a multi-disciplinary group.

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- 6. Scientist – C (Blood Compatibility Testing)** (Vacancy 1) Rs 10,000–325–15,200/-. Upper age limit 35 years as on 30–04–2006. **Qualification and experience:** Ph.D. in Biochemistry. *Desirable:* Experience in the areas of thrombosis, platelet biology, blood coagulation and vascular biology, knowledge of modern techniques in the field of biochemistry, immunology, molecular biology and cell biology. *Job description:* (i) Blood compatibility evaluation of biomaterials including cytocompatibility studies; (ii) management of test facilities under the ISO-7025 quality system and standardization/validation of new tests. (iii) R&D in the area of blood compatibility of biomaterials.
- 7. Scientist – B (In vivo Evaluation of Medical Devices)** (Vacancy 1) Rs 8000–275–13,500/-. Upper age limit 30 years as on 30–04–2006. **Qualification and experience:** 1st Class B.VSc. or its equivalent degree. *Desirable:* One to two years experience, in large animal experimental surgery or higher qualifications. *Job description:* *In vivo* evaluation of medical devices in large animal models including pre and post-operative care; care and management of large animals.
- 8. Scientist – B (Laboratory Animal Sciences)** (Vacancy 1) Rs 8000–275–13,500/-. Upper age limit 30 years as on 30–04–2006. **Qualification and experience:** 1st class B.VSc. or equivalent degree. *Desirable:* One to two years experience in small-animal breeding and management and/or higher qualifications. *Job description:* Breeding and supply of small laboratory animals with pedigree records meeting international requirements; routine care and management of experimental animals to international standards.
- 9. Scientist – B (Materials Toxicology)** (Vacancy 1) Rs 8000–275–13,500/-. Upper age limit 30 years as on 30–04–2006. **Qualification and experience:** 1st class M.Sc. in Pharmacology/ Toxicology/Zoology or its equivalent degree. *Desirable:* One to two years experience in Toxicology testing and animal research and/or higher qualifications. *Job description:* (i) *In vivo* biological safety evaluation of materials and devices as per ISO, ASTM, USP and other standards; (ii) R&D in the area of biocompatibility of materials.
- 10. Engineer – B (Medical Device Testing)** (Vacancy 1) Rs 8000–275–13,500/-. Upper age limit 30 years as on 30–04–2006. **Qualification and experience:** 1st class B.Tech. or its equivalent in electrical/electronics/instrumentation/biomedical engineering. *Desirable:* One to two years experience in laboratory automation, medical device testing, medical device package validation and metrology systems and/or higher qualification. *Job description:* Medical device testing, test system development, laboratory automation, integration of test systems, implementation of quality system in testing activities. Participating in device evaluation with product development groups.
- 11. Engineer – B (Metallic Devices)** (Vacancy 1) Rs 8000–275–13,500/-. Upper age limit 30 years as on 30–04–2006. **Qualification and experience:** 1st class B.Tech. or its equivalent in Mechanical engineering. *Desirable:* One to two years experience in design, analysis, testing and product development with exposure to CAD. *Job description:* Design and development of implants and devices for orthopedic and dental applications; design validation (including finite element analysis) and design documentation; biomechanical studies of joints and prostheses.
- 12. Engineer – B (Electro-Mechanical Devices)** (Vacancy 1) Rs 8000–275–13,500/-. Upper age limit 30 years as on 30–04–2006. **Qualification and experience:** 1st class degree in B.Tech. or its equivalent in Mechanical engineering. *Desirable:* One to two years experience in design development with exposure to CAD, finite element analysis, design validation and/or higher qualification. *Job description:* Design and development of electro-mechanical systems for cardio-vascular and other applications; design validation (including finite element analysis) and design documentation; *in vitro* hemodynamic studies of blood contracting devices.

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*Note:* For the posts at Sl. No. 7 to 12 meritorious candidates having four years of experience in research and development in the specified relevant field OR candidate with 1st class M.E./M.Tech./M.S. degree in the specified/concerned fields and 2 years of experience in the specified relevant field OR M.D./M.VSc./Ph.D. in the specified/concerned area with experience (only desirable) in the specified relevant field may be considered for the post of Scientist/Engineer – C on Rs 10,000–325–15,200/-.

**13. Engineer – B (Information Management Services)** (Vacancy 1) Rs 8000–275–13,500/-. Upper age limit 30 years as on 30–04–2006. **Qualification and experience:** 1st class degree in B.Tech. or its equivalent in Computer Engineering. *Desirable:* One to two years experience in Laboratory Information Management System (LIMS) or other information systems; quality management and implementation. *Job description:* Laboratory Information Management (LIMS), quality system management and implementation of validated automatic data processing systems.

**General:** Scientists/Engineers are also responsible for: (i) conducting active research and generating novel ideas and initiatives. (ii) actively contributing to the ongoing multi-disciplinary programmes in research/product development/testing and related activities. (iii) Participating in planning and coordinating research activities, which will complement/aid Institute's approved programmes. (iv) Interact with other groups under the supervision of senior scientists of the Institute.

**14. Assistant Security Officer** (Vacancy 1) Rs 5500–175–9000/-. Upper age limit 45 years as on 30–04–2006. **Qualification and experience:** (i) Graduate or equivalent Army qualification. (ii) Five years experience as JCO in Armed forces or its equivalent rank in Police/Para military forces in security duty.

*Note:* Duty involves House Keeping of the Hospital also.

### **General Conditions**

(1) All posts carry allowances at Central Government rates. (2) Academic staff recruited will be eligible for addition of up to 5 years to the qualifying service for pension in accordance with the rules of the Institute. (3) Non-practicing allowance at Central Government rate will be granted to medical personnel. (4) Age, qualification and experience relaxable in exceptional cases as per rules. (5) In respect of tenure posts if permanent vacancy arises during the tenure period, on mutual consent, he can be considered for absorption against such permanent post. (6) The Institute reserves the right for short-listing the applications on the basis of qualification and length of relevant experience, etc. and therefore all minimum qualified candidates may not be called for interview. (7) A panel valid for 1 year will be prepared and appointment will be made subject to availability of vacancy/requirement. (8) Persons working under Central/State Government/Public Sector Undertaking should submit their application through proper channel. (9) Any attempt to influence the Selection Committee or the Institute directly or indirectly will disqualify the candidates. (10) In all matters pertaining to this advertisement, the decision of the Institute shall be final and binding.

Applications typed on plain paper with bio-data of the candidate and attested copies of certificates to prove qualification, age, experience, etc. should reach the undersigned on or before **6 May 2006**.

Advt. No. P&A.II/4/SSSC/SCTIMST/2006. dated 1 April 2006

Director