



**SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES & TECHNOLOGY  
BIOMEDICAL TECHNOLOGY WING, POOJAPPURA, THIRUVANANTHAPURAM – 12**

**(An Institute of National Importance under Govt. of India)**

**Phone—(91)0471—2340801 Fax—(91)0471—2340819,**

**Email-sct@sctimst.ac.in, Website-www.sctimst.ac.in**

*Invites applications from Indian Nationals for the following temporary posts under various research projects undertaken by the Institute are as follows:-*

**1. RESEARCH ASSOCIATE III**

Monthly Emoluments- Rs.24,000/-+20% HRA

Duration: One Year (Likely to be extended depending on the performance of the candidate, project duration and the progress of the project)

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8140-RA III	An injectable hydrogel for repair of cartilage injury and growth plate defects	Ph. D after M.Sc. in Chemistry / Polymer Chemistry/ Biochemistry/Analytical Chemistry	Two years research experience in development of biomaterials/ proficiency with material characterization techniques and cell culture techniques and biological evaluation	Track record of research publications in peer reviewed journals	ONE

## 2. RESEARCH ASSOCIATE I

Monthly Emoluments- Rs.22,000/-+20% HRA

Duration: One Year (Likely to be extended depending on the performance of the candidate project duration and the progress of the project)

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8124-RA	Aortic Stent Graft for endovascular treatment of thoracic aortic aneurysms	M.Tech/M.E/Ph. D in Engineering (Biomedical / Mechanical / Electrical / Electronics / Instrumentation or equivalent)	-	1-2 years experience in product design, finite element analysis, computational fluid dynamics, research and development, medical device development and testing.	ONE
8131-RA	Bioactive Material Platform for drug delivery in bone	Ph. D in Biomedical or related areas	Experience in biological evaluation of biomaterials. Skill in electron micrography of materials	Knowledge in processing of bone scaffolds.	ONE
8144-RA	Fabrication of a wound healing matrix from porcine cholecystic extracellular matrix	Ph. D/MD/MDS/MVSc	Experience in Clinical Research or biomedical product development/commercialization demonstrated during or after, undergraduate or post graduate training by publication, conference presentation, Dissertation for higher degrees like PhD/MD/MDS/MPhil/MVSc/MPharm/MBA	Demonstrated experience in research/development/commercialization of animal-derived biological products- publications, conference presentation, Dissertation for higher degrees like PhD/MD/MDS/MPhil/MVSc/MPharm/MBA	ONE

### 3 **Senior Project Engineer**

Monthly Emoluments-

Rs.20,000/-+20% HRA annual addition of Rs.500/-

Duration: One Year (Likely to be extended depending on the performance of the candidate, project duration and the progress of the project)

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8122-SPE	Centrifugal Blood Pump with drive unit and flow meter for extracorporeal cardiopulmonary bypass	M.Tech/M.E./Masters in Engineering (Mechanical/Biomedical or equivalent)	1-2 years experience in research and development / industry	Experience in Product Design, Finite element analysis, computational fluid dynamics, research and development, medical device development and testing	ONE
8123-SPE	Para-corporeal Left Ventricular Assist Device	M.Tech/M.E./Masters in Engineering (Mechanical/Biomedical, Chemical or equivalent)  OR M.Tech/M.E./Masters in Engineering (Electronics/Biomedical/Electrical or equivalent)	1-2 years experience in research and development / industry	Experience in Product Design, Finite element analysis, Computational fluid dynamics, Medical device development and testing OR in motor design, electronic circuit design, medical device development, pspice circuit simulation, circuit debugging and testing.	TWO
8125-SPE	Deep brain stimulator system for movement disorders	M.Tech/M.E./Masters in Engineering (Electronics/Biomedical/Electrical or equivalent)	1-2 years experience in research and development / industry	Experience in Product Design, electronic circuit design, medical device development, pspice circuit simulation, circuit debugging and testing.	TWO

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8132-SPE	Intracranial electrodes for use in acute and chronic electrocorticography	M.Tech/M.E./Masters in Engineering (Electronics/Biomedical/Electrical or equivalent)	1-2 years experience in research and development / industry	Experience in Product Design, embedded systems, signal processing, electronic circuit design, medical device development, pspice circuit simulation, circuit debugging and testing.	ONE
8150-SPE	Nitinol based Occlusion Devices for non-surgical closure of Atrial Septal Defect	M.Tech/M.E./Masters in Engineering (Biomedical/Mechanical/Electrical/Electronics/Instrumentation or equivalent)	-	One to two years experience in Product Design, Finite element analysis, Computational fluid dynamics, Research and development, Medical device development and testing	ONE
8130-SPE	Bioactive Material Platform for drug delivery in bone	M.Tech/M.E./Masters in Engineering (Biomedical/Mechanical/Electrical/Electronics /Instrumentation or equivalent)	-		ONE

#### 4. **PROJECT SCIENTIST**

Monthly Emoluments-

Rs.14,500/-+20% HRA with annual addition of Rs.400/-

Duration: One Year (Likely to be extended depending on the performance of the candidate, project duration and the progress of the project)

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8151-PS	Radiopaque liquid embolization device by chemical grafting of iodinated compounds on to the ethylene vinyl alcohol co-polymer	M.Sc. Degree with first class in Chemistry (all branches) / Polymer Science or equivalent	-	2 years experience in polymer synthesis / Chemical modification. Computer skills to work with MS Word, Excel and Power Point	ONE
8145-PS	Lint free absorbent dressing for surgical and highly exudating chronic wounds	M.Sc. Degree with first class in Chemistry / Polymer Chemistry / Analytical Chemistry	Experience in R&D (Biomaterials) / Proficiency with material characterization techniques and biophysical techniques	Good Technical writing and documentation skills and willing to work as part of a team	ONE

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8149-PS	Evaluation of biodegradable PLGC-fibrin hemostatic graft for skin regeneration	M.Sc. Degree with first class Biochemistry / Biotechnology	M.Sc. program involving 1 research project	Research experience in mammalian cell culture, biological polymers, extra cellular matrix biology, molecular biology	ONE

**5. PROJECT ASSISTANT (SCIENTIFIC)**

Monthly Emoluments- Rs.12,000/-+20% HRA with annual addition of Rs.300/-.

Duration: One Year (Likely to be extended depending on the performance of the candidate, project duration and the progress of the project)

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8124-PAS	Aortic Stent graft for treatment of thoracic aortic aneurysms	M.Sc. Home Science or equivalent	-	1-2 years experience in textiles, weaving, fabric testing, braiding, hand sewing, medical device development	ONE

**6. PROJECT ASSISTANT**

Monthly Emoluments- Rs.12,000/-+20% HRA with annual addition of Rs.300/-

Duration: One Year (Likely to be extended depending on the performance of the candidate, project duration and the progress of the project)

Post Code	Project Name	Qualification (Essential)	Experience (Essential)	Experience (Desirable)	No. of Vacancies
8151-PA, 8131-PA, 8130-PA, 8141-PA	Radiopaque liquid embolization device by chemical grafting of iodinated compounds on to the ethylene vinyl alcohol co-polymer (8151) Bioactive Material Platform for drug delivery in bone (8131) Bioactive Inter-Vertebral spacer for Lumbar fusion(8130) 3D printing of liver tissue constructs for In Vitro Hepatotoxicity Testing (8141)	M.Sc. Chemistry (all branches) / Materials Science / Polymer Science / Polymer Technology or equivalent	-	Experience in synthetic organic chemistry / processing and testing of materials / mixing/compounding and testing of polymers. Computer skills to work with Microsoft word, excel and powerpoint	FOUR
8140, 8141, 8147 8148 –PA	Biological and combination products	M.Sc. Biochemistry / Biotechnology		Research experience in mammalian cell culture, biological polymers, extra cellular matrix biology, molecular biology	FOUR

**7. PROJECT ASSISTANT (ENGG.)**

Monthly Emoluments- Rs.12,000/-+20% HRA with annual addition of Rs.300/-

Duration: One Year (Likely to be extended depending on the performance of the candidate, project duration and the progress of the project)

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8124-PAE	Aortic Stent graft for treatment of thoracic aortic aneurysms	3 year Diploma in Engineering (Biomedical/ Mechanical / Electrical / Electronics / Instrumentation or equivalent )	1-2 years experience in Research & Development, Design using CAD, laboratory instrumentation, automation, testing, prototyping	Medical Device Development & Testing	ONE
8122-PAE	Centrifugal Blood Pump with drive unit and flow meter for extracorporeal cardiopulmonary bypass	3 year Diploma in Engineering (Biomedical / Electrical / Electronics / Instrumentation or equivalent) OR 3 year diploma in Engineering (Mechanical / Tool and Die Technology or equivalent)	1-2 years experience in Research & Development / Industry OR 1-2 years experience in Research & Development, Design using CAD, design of jigs and fixture, prototyping.	Experience in circuit design using software tools, laboratory instrumentation, automation, testing, prototyping, Medical Device Development & Testing. OR Experience in design using CAD, design of jigs and fixtures, prototyping, Medical Device Development & Testing.	TWO
8132-PAE	Intracranial electrodes for use in acute and chronic electrocorticography	3 year Diploma in Engineering (Mechanical / Tool and Die Technology or equivalent)	1-2 years experience in Research & Development / industry	Experience in design using CAD, design of jigs and fixture, prototyping medical device development & testing.	ONE
8123-PAE	Para-corporeal Left Ventricular Assist Device	3 year Diploma in Engineering (Mechanical/Tool and Die technology or equivalent)	1-2 years experience in Research & Development / Industry	Experience in design using CAD, design of jigs and fixture, prototyping medical device development & testing.	ONE

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8123-PAE-I	Para-corporeal Left Ventricular Assist Device	3 year Diploma in Engineering (Biomedical / Electrical / Electronics / Instrumentation or equivalent)	1-2 years experience in Research & Development / Industry	Experience in circuit design using software tools, laboratory instrumentation, automation, testing, prototyping, medical device development, testing	ONE
8150-PAE	Nitinol based occlusion device for non-surgical closure of atrial septal defect	3 year Diploma in Engineering (Biomedical / Electrical / Electronics/Mechanical/ Instrumentation or equivalent)	1-2 years experience in Research & Development, Design using CAD, laboratory instrumentation, automation, testing, prototyping	Medical Device Development & Testing	ONE
8125-PAE	Deep brain stimulator for movement disorders	3 year Diploma in Engineering (Biomedical / Electrical / Electronics / Instrumentation or equivalent )	1-2 years experience in Research & Development/industry	Experience in circuit design using software tools, laboratory instrumentation, automation, testing, prototyping, medical device development, testing	ONE

## 8. PROJECT ATTENDANT

Monthly Emoluments- Rs.7,000/-+20% HRA with annual addition of Rs.210/-

Duration: One Year (Likely to be extended depending on the performance of the candidate, project duration and the progress of the project)

<i>Post Code</i>	<i>Project Name</i>	<i>Qualification (Essential)</i>	<i>Experience (Essential)</i>	<i>Experience (Desirable)</i>	<i>No. of Vacancies</i>
8123-PAT	Para-corporeal Left Ventricular Assist Device	10 <sup>th</sup> Std. pass with two wheeler driving license	--	1-2 years experience in laboratory / industry	ONE
8125-PAE	Deep brain stimulator for movement disorders		--		ONE



**General terms and conditions:-**

Age limit as on 30.06.2016: 35 years (Age relaxable in exceptional cases)

Interested candidates may submit their application along with bio-data and self attested copies of certificates to prove age, qualifications, experience etc. in the prescribed format so as to reach 'The Administrative Officer, Sree Chitra Thirunal Institute For Medical Sciences and Technology, BMT Wing, Poojappura, Thiruvananthapuram-695012 on or before 23.06.2016. The envelope should be superscribed as "Application for the post of\_\_\_\_\_". Experience gained after prescribed qualification will only be considered.

IN THE ABSENCE OF CANDIDATES WITH REQUISITE EXPERIENCE, MERITORIOUS CANDIDATES WITH REQUISITE QUALIFICATION BUT LESS EXPERIENCE MAY ALSO BE CONSIDERED AT A LESSER SALARY

Note : (1) The tentative date for interview is 4<sup>th</sup>, 5<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> July, 2016

(2) Separate applications to be sent for each post

Sd/-  
**HEAD, BMT Wing**

Advt. No.:P&A.II/15/TRC/SCTIMST-BMT/2016 dated 07.06.2016

To: Notice Board: BMT Wing / Hospital Wing / AMC / Website



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**APPLICATION FORM**

Post Code

- 1) Name (in capitals) :
- 2) Post applied for :
- 3) Age and Date of Birth :
- 4) Sex :
- 5) Marital Status :
- 6) Community/Religion :
- 7) Nationality :
- 8) Address for correspondence with mobile :  
number and e-mail ID
- 9) Permanent Address for correspondence with :  
mobile number and e-mail ID
- 10) (a) Are you a member of the Schedule caste / :  
Scheduled Tribe / OBC (Non creamy layer)? If  
so, specify your caste.
- 11) Physical characteristics (i) Height :  
(ii) Weight :
- 12) Identification marks  
(i)  
(ii)

13. Academic record (including course attended)

<i>Sl. No.</i>	<i>Name of Examination</i>	<i>Name of Board / University</i>	<i>Date of entry</i>	<i>Date of leaving</i>	<i>Year of passing</i>	<i>Rank / Class</i>

14. Previous employment history

<i>Sl. No.</i>	<i>Name &amp; Address of employer</i>	<i>Designation &amp; Salary Nature of work with grade</i>	<i>Period</i>		<i>Reason for leaving</i>
			<i>From</i>	<i>To</i>	

15. If selected, approximate time required to join duty:

16. Name & address of two references

(1)

(2)

**DECLARATION**

I declare that the above furnished details are true and correct to the best of my knowledge and belief. I am aware that in the event of my furnishing any false information, the Institute reserves its right to terminate my service without notice.

Thiruvananthapuram

Date:

Signature of the candidate