

भारतीय प्रौद्योगिकी संस्थान रोपड़

**INDIAN INSTITUTE OF TECHNOLOGY ROPAR**

नंगल **रोड ,रूपनगर, पंजाब-140001/Nangal Road, Rupnagar, Punjab-140001**

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**ADVERTISMENT**

Applications are invited from the Indian nationals for the position of Junior Research Fellow (JRF) to work in the DST-SERB FAST TRACK project entitled “*Assessment of thermally induced damage of healthy cell volume during radiofrequency ablation of breast malignant tissues*” under the supervision of undersigned. It may be possible for the selected candidate to register for Ph.D. program as per existing institute rules.

*[The project involves numerical simulations using finite element/volume based methods, and to some extent experimental investigations. The objective of the proposed work is to characterize the extent of damage to normal cell volume of breast during radio-frequency ablation of breast cancers.* *More technical details about the project are available on the webpage of the undersigned]*

**Post:** Junior Research Fellow (JRF)

**Positions:** 1

**Duration:** 3 years or till the completion of the project, whichever is earlier (the position is purely temporary and performance will be reviewed periodically)

**Emoluments:** As per DST rules.

**Essential Qualifications:** Bachelor / Master Degrees in Mechanical Engineering with good academic record, with a minimum of 60% marks (or 6.5 Grade Point out of 10). Bachelor degree holders should possess valid GATE score in Mechanical Engineering.

**Desirables:** Knowledge of Fluid mechanics, Heat transfer and Computational Fluid Dynamics, finite element analysis methods and software packages (COMSOL, FLUENT etc.), Solid modeling software (Solidworks, etc.) and MATLAB. Importantly, interest to work in multidisciplinary subjects.

**How to Apply?**

Application form is given on the following sheet. Completely filled *application form* along with detailed *Biodata* as well as 1-page ‘*Statement of purpose*’ (stating personals goals and research interests) may be sent to the undersigned by e-mail. If you do not receive an acknowledgment email within 48 hours of submitting the application, kindly resend the application.

(Please write in the subject line: *Application for the post of Junior Research Fellow*. Please note that no TA/DA will be given to the candidates called for interview).

**Last date for receipt of application: 15-April-2015**

**Dr. Ramjee Repaka**

**Principal Investigator**

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India

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Web(s): http://www.iitrpr.ac.in/smmee/ramjeerepaka; <https://sites.google.com/site/ramjeerepaka/>

**Application form for Junior Research Fellow (JRF) to work in the DST-SERB sponsored project**

Recent Photograph

**Personal Details**

|  |  |
| --- | --- |
| Full Name (In capital) |  |
| Date of Birth (DD/MM/YY) |  | Category (General/SC/ST/OBC) |  |
| Age (in years) |  | Gender (Male/Female)  |  |
| Marital Status(Single/Married) |  | Nationality |  |
| Address for Communication | Permanent Address |
|  |  |
| Mobile/ Phone No. |  | Email:  |

**Details of School/University/Institute Studied (From Matriculation Onward)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Degree** | **Discipline** | **University/Institute** | **Regular/ Part-time** | **Year** | **%Marks /CGPA\*** | **Division** |
| **1.** |  |  |  |  |  |  |  |
| **2.** |  |  |  |  |  |  |  |
| **3.** |  |  |  |  |  |  |  |
| **4.** |  |  |  |  |  |  |  |
| **5.** |  |  |  |  |  |  |  |

***\*[Please also submit softcopy of the semester-wise mark-sheets as well as softcopy of degree]***

**Qualifying Examination (GATE/CSIR/UGC/LS-NET/Others)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Qualifying Examination****(& name of subject)** | **Branch**  | **Year** | **Valid Up to** | **Percentile (& Score)** | **All India Rank** |
|  |  |  |  |  |  |
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**Professional Experiences (Teaching/Research/Industrial) if any**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of Organization** | **Designation** | **Nature of Work** | **From** | **To** |
|  |  |  |  |  |
|  |  |  |  |  |

**Research Publication (if any):**

***[Also attached softcopy of conference/journals papers separately (if applicable)]***

**Awards, patents, prizes etc (if any):**

**Any other Relevant Information:**

**DECLARATION**

I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. If selected for admission, I promise to abide by the rules and discipline of the Institute. I note that the decision of the Institute is final in regard to selection for admission and assignment to a particular Department and field of study. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. I agree that I shall abide by the decision of the Institute, which shall be final.

Place :……………

Date : ………… Signature of the Applicant