



**NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA**  
**SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY & CONTINUING EDUCATION**

**NITR/SR/2021/Advt-21BM047/L/061, dt. 19.01.2022**

Applications are invited on prescribed format (On-line) for the temporary post of “Junior Research Fellow (JRF)” for the Project entitled “Development of Multi-Phase Microfluidic Imaging Flow-Cytometer for Biological cell Characterization” Selected candidate may enroll in Ph.D./ M. Tech (R) Programme in the **Department of Biotechnology and Medical Engineering, National Institute of Technology Rourkela** based on Institute norms and regulations.

1.	Project Code	<b>SR/21/BM/047</b>
2.	Name of the Temporary Post	Junior Research Fellow - 01
3.	Name of the Research Project	“Development of Multi-Phase Microfluidic Imaging Flow-Cytometer for Biological cell Characterization”
4.	Name of the Sponsoring Agency	Science and Engineering Research Board (SERB)
5.	Tenure of the Project	02 years (from 2021 to 2023)
6.	Tenure of the Assignment	Initial for a period of one year (Extendable to two years upon satisfactory performance)
7.	Job Description	To carry out the research work (Experimental and Analysis), in the field of Optics, Microfluidics and Instrumentation for Biomedical Applications.  Scope to enroll as a Ph. D. Scholar in Department of Biotechnology and Medical Engineering (must satisfy Institute / Department Eligibility Criteria)
8.	Consolidated monthly compensation / Fellowship	INR 31,000 (1st & 2nd year)
9.	Essential Qualifications and experience	M.E/ M. Tech/ M. Sc.in Physics with 60% marks or 7.0 CGPA, along with the Institute norms. B. E/ B. Tech with valid NET/ GATE also eligible to apply for position
10.	Desirable Qualifications / Exp.	Valid NET / GATE Score
11.	Accommodation	Bachelor / Married accommodation in the Institute may be provided subject to availability.

For technical information on the project, the candidate may contact the Principal Investigator at the following address:

Name : **Prof. Earu Banoth**  
Address : Department of Biotechnology and Medical Engineering  
National Institute of Technology Rourkela, Odisha 769 008.  
Tel. No. : -  
Mobile : 8861543837  
E-mail : [banothe@nitrkl.ac.in](mailto:banothe@nitrkl.ac.in)

Date and Time for **On-line / Walk-in** Interview: **08-02-2022 at 11.00AM**

Place of Interview: **Department of Biotechnology and Medical Engineering, NIT Rourkela**

Eligible candidates may apply within **02.02.2022, 23:59 HRS**. The candidates are required to send the complete filled up application form (Soft copy) to [banothe@nitrkl.ac.in](mailto:banothe@nitrkl.ac.in). The application form is available in the following link: [http://nitrkl.ac.in/oldwebsite/Jobs\\_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64\(2\).pdf](http://nitrkl.ac.in/oldwebsite/Jobs_Tenders/5ProjectFellowships/Doc/JRF%20LS-PND-64(2).pdf) which must be filled by candidates and also required to attach photocopies of all supporting documents, research papers (if any) etc.

Candidates will build a **Single PDF** file; it is to be sent to Principal Investigator ([banothe@nitrkl.ac.in](mailto:banothe@nitrkl.ac.in)) **on or before 02.02.2022, 23:59 HRS**. The candidates are also required to produce relevant documents mentioned in the application form [such as original of all mark sheets and certificates, research papers (if any), experience certificate (if any) etc.] at the time of interview / joining. Selection / Joining will be canceled in case of any suppression of information / document provided earlier.

Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project.

**Sd/-  
Asst. Registrar (SR)**

Copy to:

- 1) All Heads of the Departments, NIT Rourkela for publication on departmental notice boards.
- 2) Prof. Earu Banoth, PI with a request to give wide publicity to this advertisement.
- 3) Head of the Department, Prof. Kunal Pal
- 4) Project file.