



## **Indian Institute of Science Education and Research Bhopal**

### **Junior Research Fellow at IISER Bhopal**

Applications are invited from Indian nationals for the post of “Junior Research Fellow” or “Project Associate” in the DBT sponsored project “Plasmodium infected RBC classification into various malarial stages using microfluidics, genomics and machine learning”.

#### **Project description:**

The standard methods for diagnosis of Malaria are the thick and thin peripheral smear tests of blood samples and subsequent manual inspection of the slide under a microscope. We propose to develop technology to automate this using Microfluidics and machine learning based image analysis.

#### **Duration:**

Initially for 1 year (Extendable up to two years upon satisfactory performance)

**Last date for applications:** 22nd Jan, 2021

(this call will remain open until suitable candidates are found)

#### **Essential Qualifications:**

M.Sc. in Basic Sciences such as Physics, Chemistry, Biology or BE/BTech or ME/MTech in Engineering disciplines with a good academic record.

Candidates who have qualified a National Eligibility Test (UGC, CSIR, LS, GATE, etc.) with a valid rank/score at the time of applying for this post will be eligible for the JRF position. Otherwise, the candidates will be eligible for the Project Associate position.

Candidates having experience in making and designing microfluidic devices and programming in LabVIEW will be preferred.

Candidates should preferably be below 28 years of age.

**Salary:**

Junior Research Fellow: Rs. 31,000 p.m. + HRA (16%)

Project Associate I: Rs. 25,000 p.m. + HRA(16%)

**How to Apply:**

Submit your application through this Google Form:

<https://forms.gle/4Q6TWDFCNab2wZxdA>

For more details and context, see the homepage of Dr. Rati Sharma

<https://sites.google.com/iiserb.ac.in/cebp>.

Incomplete application will not be considered, and no correspondence will be entertained with regard to the application status. All correspondence regarding Shortlisting and selection will only be via email.