Indian Institute of Science Education and Research Bhopal

Junior Research Fellow at IISER Bhopal

Applications are invited from Indian nationals for a post of "Junior Research Fellow" 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 Processing.

Duration:
Initially for 1 year
(extendable for one more year if performance is satisfactory)

Last date for applications : 10th August, 2020
(this call will remain open until suitable candidates are found)

Essential Qualifications:
B.Tech./B.E./M.Sc. in Computer Science, Electrical Engineering, Electronics & Communication, Information Technology, Physics, Mathematics or related disciplines with good academic record (first class/division or minimum CPI of 7.0/10.0 or 60% marks).

Candidates must have qualified a National Eligibility Test (UGC, CSIR, LS, GATE, etc.) with a valid rank/score at the time of applying for this post.

Candidates having experience of using Machine Learning libraries like TensorFlow in Python programming language will be preferred.

Candidates should preferably be below 28 years of age.

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

How to Apply:
Submit your application through this Google Form:
https://forms.gle/KTujeGKpyPmtxP5WA

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 be sent only via email.