

**RAMAN RESEARCH INSTITUTE
BANGALORE 560080**

Advt. No. 03/2021-22

The Raman Research Institute, funded by the Government of India, is a premier institute engaged in research in basic sciences. More information about the Institute, the fields of research, and other details can be viewed at its website www.rri.res.in.

Applications are invited for up to **TWO** posts of RESEARCH ASSISTANT (RA) on a temporary basis for **Microfluidics and Nanopore Sequencing Project** in the **Soft Condensed Matter Group** of the Institute. The position is for 1 year and may be extended up to a maximum of 2 years, with regular evaluation. First 6 months of appointment will be under probation. We seek motivated individuals with good academic background with an aptitude to explore and master the functioning and use of scientific equipment and eagerness to learn new techniques. The details of the required qualifications and experience are given below:

Job Description: RA will be responsible for fabrication, characterization and setting up experiments to study mechanical properties of cells and/or single molecule biophysics experiments in Molecular Biophysics project in Soft Condensed Matter group at RRI.

Remuneration: A consolidated remuneration of Rs. 23,500/- with 24% HRA on the consolidated remuneration per month will be paid to the selected candidates.

Essential Qualification: M.Sc./M.Tech or B.E./B.Tech in any field with atleast 1 year of academic research or industrial work experience in fabricating nano and microfluidic devices.

Desirable: Experimental work experience in a lab in the fields of pressure driven microfluidics, and droplet generation. Hands-on expertise with photolithography, mask making, PDMS and photoresist usage, optics, biophysics, single molecule experiments, microscopy, nanodevices or nanotechnology, electric and electronic measurements on biological samples will be preferred. Familiarity with AutoCAD and Layout editor programs as well as programming languages, preferably LabVIEW and/or Matlab is desired. Some experience with handling DNA and protein bio material is also desirable.

Upper Age Limit: The upper age limit is 45 years, as on the last date for closing of applications.

The last date for receipt of applications is 16 May 2021. Applications received after the last date will not be considered.

General Information:

- (i) Age relaxation will be applicable as per Govt., of India rules for the candidates belonging to SC/ST/OBC/PWD categories.
- (ii) The institute reserves the right to restrict the number of candidates for test/ interview to a reasonable limit, on the basis of relevant qualification and experience higher than the minimum prescribed in the advertisement.

- (iii) Candidate should be self-driven, motivated and have leadership skills to manage the personnel working with him.
- (iv) Shortlisted candidates will be requested to appear for a personal interview at the Raman Research Institute. Under exceptional cases online (Zoom/Skype) interview may be considered. No TA/DA will be paid for attending the interviews. Mere fulfilling the essential and desired qualifications will not entitle an applicant to be called for interview.
- (v) The institute reserves the right to relax any of the above requirements in exceptional cases.
- (vi) The Institute reserves the right, not to fill the post herein advertised.
- (vii) Canvassing in any form shall disqualify the candidate.

How to apply:

Interested candidates can apply by filling up an online form, and uploading all the relevant documents/images, including:

1. Scanned colour copies of educational certificates and mark sheets,
2. Curriculum Vitae (1-2 page),
3. Statement of purpose (1-2 page), as to what motivates the applicant to apply for the above post and why the applicant is the appropriate choice for the opening,
4. A recent passport size photograph and signature, Each applicant would need to provide references of two individuals whom the Institute could contact for referral letters.

In case of any queries/help, please contact (e-mail id) Link to the application:

<http://www.rri.res.in/openings/RA-GVS-MicroNano-2021.html> Incomplete applications, particularly those without a Statement of Purpose, will not be considered.

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