

**CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS**

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CDFD, an Institute of the Biotechnology Research and Innovation Council, Department of Biotechnology, Ministry of Science and Technology, Government of India, invites applications from Indian nationals for the following purely temporary vacancies in the research project entitled "Mission Program on Pediatric Rare Genetic Disorders" funded by DBT. The description of the positions, qualifications and nature of duties for each position is as follows:

**(1) Research Associate – I**

**Age Limit:** 40 years

**Emoluments:** ₹ 47,000/-+ 24% HRA

**Essential Qualifications:**

Ph D in bioinformatics, molecular biology, cell biology, biotechnology or relevant scientific discipline.

**Desirable Qualifications:**

1. Experience in computational / bioinformatics tools used for NGS analysis particularly RNA-seq or ChIP-Seq, proficiency with using Linux and BASH or other similar shell, comfortable in developing code in Python and/or R for data analysis and visualization.

2. Experience in genomics, cell biology, biochemistry and/or molecular biology relevant for human diseases.

## **(2) Project Associate – II**

**Age Limit:** 35 years

**Emoluments:** (i) ₹ 35,000/- + HRA to Scholars who are selected through

(a) National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or

(b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.

(ii) ₹ 28,000/- + HRA for others who do not fall under (i) above.

### **Essential Qualifications:**

(i) Master's Degree in Natural or Agricultural Sciences / MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent;

and

(ii) 2 years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services

### **Desirable Qualifications:**

Experience in next generation sequencing/microarray analysis and report making as well as development of pipelines for same

**OR**

Experience in molecular biology, plasmid cloning, PCR, gel electrophoresis. Experience in mammalian cell culture will be a plus.

**OR**

MSc in Genetic counselling with experience of counselling patients with genetic diseases.

### **Nature of Duty:**

1. Conduct molecular biology experiments for next generation sequencing like DNA/RNA extraction, PCR etc
2. Analysis of next generation sequencing data
3. Sanger sequencing

4. Preparation of reports for patients
5. Report writing and manuscript preparation

**OR**

The selected candidate will be involved in cloning, mutagenesis and other cell based experiments.

**OR**

The selected candidate will oversee recruitment of patients for exome sequencing and pretest/post-test counseling

### **(3) Project Associate – I**

**Age Limit:** 35 years

**Emoluments:** (i) ₹ 31,000/- + HRA to Scholars who are selected through  
(a) National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or  
(b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.  
(ii) ₹ 25,000/- + HRA for others who do not fall under (i) above.

#### **Essential Qualifications:**

Master's Degree in Natural or Agricultural Sciences / MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent

#### **Desirable Qualifications:**

Experience in next generation sequencing/microarray analysis and report making as well as development of pipelines for same

OR

Experience in cell culture/molecular biology techniques

OR

MSc Genetic Counseling

#### **Nature of Duty:**

1. Conduct molecular biology experiments for next generation sequencing like DNA/RNA extraction, PCR etc
2. Analysis of next generation sequencing data
3. Sanger sequencing
4. Preparation of reports for patients and genetic counseling

## 5. Report writing and manuscript preparation

### **GENERAL TERMS AND CONDITIONS**

1. The vacancies against the positions shall be filled based on the vacancies available at the time of selection. If more vacancies with identical job requirements become available within one year after the selection, these can also be filled from among the candidates who are empanelled for the above positions.
2. Depending on the qualifications, experience and recommendations of the Selection Committee, the selected candidates may be placed in a scale and designation lower than the grade advertised/applied against. Emoluments of the candidates selected against the positions may vary depending upon the qualifications, experience, recommendations of the Selection Committee or emoluments sanctioned by the funding agency in the project.
3. Candidates selected against the positions will be expected to carry out research in the areas of Biochemistry, Cell Biology, Computational and Structural Biology, Genetics, Immunology, Microbiology or Molecular Biology.
4. Selection against the positions will not make the candidates with Master's Degree, eligible to register for the Ph.D. degree.
5. All these positions are purely temporary and are initially for a period of six months or one year. These positions could be extended/terminated depending on the continuation of the project(s).
6. Reservation for SC/ST/OBC/Physically Handicapped/Ex-service person/ EWS applicants will be as per Govt. of India rules.
7. Relaxation of age for SC/ST/OBC/Physically Handicapped/Ex-service person/ Women applicants will be as per Govt. of India rules.
8. Mere fulfilling the minimum qualifications will not entitle the candidate for being called for interview. The applications will be screened by a committee based on research experience and requirement of each project. Only those candidates that are found suitable will be shortlisted to be interviewed through Video Conference. The decision of the Director, CDFD will be final in this respect and no correspondence will be entertained in this regard.
9. Any of the selected individuals may from time to time be assigned to perform any other duties commensurate with their qualifications, by the Director, CDFD.

Interested candidates, who fulfill the above conditions, should apply in the prescribed application form **ONLINE**, wherein the candidate is also required to submit a Statement of Purpose (maximum 200 words), emphasizing how his/her experience/expertise will contribute to research programs of CDFD. The link for the application form is available at ([Click here for link](#)). Please upload soft copies of certificates in support of date of birth, educational qualifications, reservation category (if applicable). Please contact <[empccrmt@cdfd.org.in](mailto:empccrmt@cdfd.org.in)> for any queries. The last date for submitting online applications is **02.12.2024**

Incomplete applications, applications without Statement of Purpose, and applications without copies of certificates in support of date of birth / educational qualifications / experience / reservation category (if applicable) or the applications received after the last date are liable to be rejected.

**Officer Incharge  
Acad & EMPC  
CDFD**