



सीएसआईआर-कोशिकीय एवं आणविक जीव विज्ञान केंद्र, हैदराबाद 500007 तेलंगाणा
CSIR-CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY
HYDERABAD 500 007 TELANGANA

Project Notification No.8/2021

Project positions at CSIR-CCMB

Multiple project positions are available in the field of Genomics at the CSIR-Centre for Cellular and Molecular Biology, Hyderabad. We are looking for talented and motivated individuals at all levels to join us in pursuing various large scale, multi-institute collaborative genomics projects of national importance.

Candidates who fulfill the criteria against the position may apply online at www.ccmb.res.in

Last date to submit online application: 05 September 2021

For any technical problems while submitting the online application, please contact
webmaster@csirccmb.org

I. Project Manager (No. of positions- 1 No.)

Essential Qualification: Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent with 20 years of experience in relevant field.

Desirable Qualification: A demonstrable track record of successful implementation/execution of a project in any of the following fields:

Population Genomics, Clinical Genomics, Cancer Genomics, De novo Genome assembly, Metagenomics and microbial genomics, Statistical analysis of biological data particularly in the context of Genomics.

Experience must be proven either with high impact publications in SCI-indexed journals, or profiles of source code repositories such as github, or a certificate from the organization to which the candidate contributed earlier.

Minimum Age: 45 years

Salary: Rs 125000/- Consolidated

II. Project Scientist III (No. of positions- 4 Nos.)

Essential Qualification: (i) Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent and

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

Upper Age Limit: 45 years

Desirable Qualification:

a) Experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services. A demonstrable track record of successful implementation/execution of a project in any of the following fields:

Population Genomics, Clinical Genomics, Cancer Genomics, De novo Genome assembly, Metagenomics and microbial genomics, Statistical analysis of biological data particularly in the context of Genomics.

OR

b) Experience in development of computational tools/algorithms/data visualization, handling high performance computing environments, cloud computing services, server maintenance, general purpose GPU computing, AI/ML, and other hardware related proficiency

Salary: Rs. 78,000 +HRA

III. Project Scientist-II (No. of positions - 1)

Essential Qualification: (i) Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent and

(ii) Three years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services

Upper Age Limit: 40 years

a) Experience in any of the following fields:

Population Genomics, Clinical Genomics, Cancer Genomics, De novo Genome assembly, Metagenomics and microbial genomics, Statistical analysis of biological data particularly in the context of Genomics.

OR

b) Experience in development of computational tools/algorithms/data visualization, handling high performance computing environments, cloud computing services, server maintenance, general purpose GPU computing, AI/ML, and other hardware related proficiency

Salary: 67,000/- + HRA

IV. Project Scientist-I (No. of positions - 1)

Essential Qualification: (i) Doctoral Degree in Science or Master's Degree in Engineering or Technology from a recognized University or equivalent

Upper Age Limit: 35 years

a) Experience in any of the following fields:

Population Genomics, Clinical Genomics, Cancer Genomics, De novo Genome assembly, Metagenomics and microbial genomics, Statistical analysis of biological data particularly in the context of Genomics.

OR

b) Experience in development of computational tools/algorithms/data visualization, handling high performance computing environments, cloud computing services, server maintenance, general purpose GPU computing, AI/ML, and other hardware related proficiency.

Salary: 56,000/- + HRA

V. Principal Project Associate: (No. of positions - 2)

Essential Qualification: (i) Master's Degree in Natural Sciences or Bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent

AND

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

OR

i) Doctoral Degree in Science / Engineering / Technology/ Pharma/ MD/ MS from a recognized University or equivalent

AND

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

Upper Age Limit: 40 years

Desirable Qualification: Any of the following

a) Experience in analysis of high throughput genomic data such as Next Generation Sequencing based data. Should be well versed with Linux/bash/command line interface, and have the ability to create and modify custom pipelines for data analysis.

OR

b) Good programming knowledge with proficiency in at least one language such as C, C++, R, Python, JS, or Perl, as demonstrated by publications or github profile or other code repositories. Experience with analysis of population level genomic data, clinical genomics, de novo genome assembly, cancer genomics, or metagenomics will be considered favorably

OR

c) Experience in a NGS wet lab with various library preparation techniques including whole genomes, exomes, other targeted panels and RNA seq and in handling NGS machines from vendors like Illumina, ThermoFisher, Pacbio, etc.

Salary: 49,000/- + HRA

VI. Senior Project Associate: (No. of positions – 7)

Essential Qualification: (i) Master's Degree in Natural Sciences or Bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent

AND

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

OR

i) Doctoral Degree in Science / Engineering / Technology/ Pharma/ MD/ MS from a recognized University or equivalent

Upper Age Limit: 40 years

Desirable Qualification: Any of the following

a) Experience in analysis of high throughput genomic data such as Next Generation Sequencing based data. Should be well versed with Linux/bash/command line interface, and have the ability to create and modify custom pipelines for data analysis.

OR

b) Good programming knowledge with proficiency in at least one language such as C, C++, R, Python, JS, or Perl, as demonstrated by publications or github profile or other code repositories. Experience with analysis of population level genomic data, clinical genomics, de novo genome assembly, cancer genomics, or metagenomics will be considered favorably

OR

c) Experience in a NGS wet lab with various library preparation techniques including whole genomes, exomes, other targeted panels and RNA seq and in handling NGS machines from vendors like Illumina, Thermofisher, Pacbio, etc.

Salary: 42,000/- + HRA

VII. Project Associate (1) - (No. of positions – 17 Nos.)

Essential Qualification: Master's Degree in Natural Sciences or Bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent.

Upper Age Limit: 35 years

Desirable Qualification: One or more of the following

a) Experience in various NGS library preparation techniques such as whole genomes, whole/clinical exomes, other targeted panels, transcriptomes, metagenomics.

b) Experience in of working in Molecular biology/Microbiology/Wildlife biology lab

c)Computational skills including familiarity with Linux and shell scripting, and programming knowledge with proficiency in at least one programming language such as C, C++, R, Python, JS or Perl, and experience in handling high throughput genomic data such as Next Generation Sequencing based data and/or developing web systems / databases for biological analysis.

- d) Experience working in a clinical genetics lab with expertise in analysis of human NGS panel/ Exome/ WGS data.
- e) Database management and/or web development
- f) Experience of working in a COVID RT-PCR lab
- g) Candidate having experience in waste water sample collection and processing, RNA isolation, RT-PCR or SARS-CoV-2 sample handling would be preferred.

Salary: (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.

VIII. Project Associate-II (No. of positions - 5)

Essential Qualification: (i) Master's Degree in Natural Sciences 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 Organisations and Scientific activities and services

Upper Age Limit: 35 years

Desirable Qualification: One or more of the following

- a) Experience in various NGS library preparation techniques including whole genomes, whole exomes, other targeted panels, transcriptomes and RNA seq, and in handling NGS machines from vendors like Illumina, Thermofisher, Pacbio, etc.
- b) Computational skills including familiarity with Linux and shell scripting, and programming knowledge with proficiency in at least one programming language such as C, C++, R, Python, JS or Perl, and experience in handling high throughput genomic data such as Next Generation Sequencing based data and/or developing web systems / databases for biological analysis.
- c) Experience working in a clinical genetics lab with expertise in analysis of human NGS panel/ Exome/ WGS data.
- d) Experience of working in Zoos or Wild Animal Rescue Facilities
- e) Experience working in COVID research or testing laboratories

Salary: (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.

IX. Laboratory Assistant / Field Assistant (No. of positions- 6 Nos.)

Essential qualification - B.Sc./ 3 yr diploma in engineering and technology

Desirable qualification - Any of the following

- a) Experience of working in Zoos or Wild Animal Rescue Facilities
- b) Experience of working in Clinical/ Molecular diagnostic laboratory
- c) Experience of working in COVID related projects/ testing laboratories

Upper Age Limit - 50 years

Salary: Rs 20000+HRA

General Terms and Conditions

- 1 **CSIR/Project sponsoring agency** prevailing guidelines are applicable to these positions. Positions are purely temporary & on contract basis and are co-terminus with the project's tenure.
- 2 Candidates who have completed their degree with requisite educational qualifications only need to apply.
- 3 All qualification & experiences must be from Govt./Govt. recognized Institute.
- 4 Candidates will be shortlisted for interview by the Screening Committee. The Screening Committee may adopt its own criteria for short listing the candidate depending upon the number of applications. Hence candidates are advised to provide all experience / qualification they are having on the last date of application.
- 5 Canvassing in any form will render the candidate disqualified
- 6 Candidates may be called for interview in person/online. All the communication in this regard will be through e-mail only.
- 7 No TA/DA will be paid to the candidate for appearing for the written test/interview or for reporting to duty.
- 8 Candidature will be purely provisional subject to fulfilling the eligibility criteria
- 9 Age relaxation for SC/ST & OBC as per the guidelines of Govt. of India
- 10 The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications prescribed for that Grade.
- 11 Director, CSIR-CCMB reserves the right to increase/ decrease the number of positions and also cancel the recruitment process for the positions mentioned above at any stage of the recruitment process. The decision of the Director, CSIR-CCMB will be final and binding
- 12 If currently employed, then the candidate will have to furnish no-objection certificate from the current employer at the time of joining
- 13 The engagement which is on contract basis in respect of all above positions will confer no rights on the candidates, whatsoever, implicitly and / or explicitly for their continuation beyond tenure/absorption / regularization in CSIR. Contract may be terminated at any time at a notice of one month from either side or one month stipend in lieu thereof.