NATIONAL INSTITUTE OF IMMUNOLOGY
ARUNA ASAF ALI MARG
NEW DELHI–110067

Applications are invited for the posts of Project Scientist-II, Senior Research Fellow, Data Analyst & Developer for the following time-bound sponsored projects as per the details given below:

Name of the project & Duration of the Project	Post details & No of Posts	Job description	Name of the Project Investigator and Email ID
Project Entitled **"Whole Genome Sequencing of MTB Clinical Strains for Determining Drug Resistance and Strain lineage in India: A structured Nationwide approach"** funded by DBT Tenable till – 5.10.2025	1. Project Scientist-II (One Post only)	The candidate will carry out experimental work on *Mycobacterium tuberculosis* using chemical biology, functional genomics & transcriptomics techniques based on information from genome sequencing. Candidates will also serve as domain expert for Mycobacterial genome annotation and analysis and coordinate with database/software developers.	Dr. Debasisa Mohanty, Director mompcoe@nii.ac.in Applicants must write "**Application for MTBC Project**" & name of the post applied for in the **subject** line of the e-mail
	2. Senior Research Fellow (Two Posts)	Prediction and analysis of Protein structure and Analysis of Genome/Microbiome, Development of bioinformatics tools and softwares for Genome mining; Development of databases and softwares for genome analysis, Molecular modelling & Simulations, installation/support of public domain softwares for structural bioinformatics in LINUX environment and system administration of computing/storage servers of Bioinformatics Center, NII.	
	3. Data Analyst (One Post)	NGS Data Analysis and programming s in LINUX environment using open source resources & data compilation team and data analytics development of dashboards and portals.	

	4. Developer (Two posts)	Development of Indian Tuberculosis Genome Sequencing/Surveillance (InTGS) web portal frontend and backend database/script development in LINUX environment using open source resources. Integration of web portal with public domain dashboard tools and Application Program Interface (API) tools. Coordination with data compilation team and data analytics for development of dashboards and portals for organization and representation of scientific/clinical data.	

1. PROJECT SCIENTIST-II

Qualifications

Essential: Doctoral degree in science or Masters degree in engineering and Technology from a recognised university or equivalent. The candidate must have at least 3 years of experience in R&D in industrial and academic institution.

Desirable: Experience in working with *Mycobacterium tuberculosis* using chemical biology, functional genomics & transcriptomics techniques. Candidates should also have experience in Mycobacterial genome annotation and analysis. **The candidates must highlight their research experience with dates and duration in their CV**. Applications where experience is not highlighted will be rejected.

Emoluments: The selected candidates will draw consolidated emoluments as per Institute Rules.
Rs. 67,000/- per month plus 24% HRA.

2. SENIOR RESEARCH FELLOW (PROJECT)

Qualifications

Essential: M.Sc.(Bioinformatics/Biophysics/Biochemistry Biotechnology) or Masters degree in any other stream of biological/physical/computational sciences or Bachelor's degree in Engineering or Technology or Medicine or Equivalent AND a minimum of 2 years of research experience. Must have qualified NET JRF or equivalent national level fellowship examination.

Desirable: Work experience in the area of Bioinformatics/IT/Computer Applications. Strong computer programming skills (in PERL/Python or C++ or object oriented database management systems like MySQL etc or scripting languages under LINUX/UNIX environment) and sufficient experience in computational analysis of biological/biochemical data OR molecular modelling & simulations OR development of AI/ML methods. **The**

candidates must highlight their experience in programming and database development & experience in Bioinformatics/Computational Biology research in their CV. Applications where experience is not highlighted will be rejected.

Emoluments
The selected candidates will draw consolidated emoluments as per Institute Rules.
Rs 42,000/-   consolidated p.m. plus 24% HRA depending on NET qualification as per DST OM.

3. DATA ANALYST (PROJECT)

Qualifications

Essential: (i) Master's Degree in Natural Science (Bioinformatics / Computational Biology / Data Science) or Bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent
AND
(ii) Four year's experience in R & D in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services
<div align="center">[OR]</div>
Doctoral Degree in Science / Engineering / Technology / Pharma / MD / MS from recognized University or equivalent

Desirable:
(i)   Extensive experience in the analysis of Next-Generation sequencing data
(ii)   Very good knowledge of NGS analysis tools, bioinformatics softwares & databases
(iii)   Work experience in the area of Bioinformatics/IT/Computer Applications. Strong computer programming skills (in PERL/Python/R or C++ or object oriented database management systems like MySQL etc or scripting languages under LINUX/UNIX environment) and development of AI/ML methods.

The candidates must highlight their research experience with dates and duration in their CV. Applications where experience is not highlighted will be rejected.

Emoluments
The selected candidates will draw consolidated emoluments as per Institute Rules.
Rs 42,000/-   consolidated p.m. plus 24% HRA

4. DEVELOPER (PROJECT)

Qualifications

Essential: (i) Doctoral Degree in Computer Science / Data Science / IT or Master's Degree in Engineering or Technology from a recognized University or equivalent
AND
(ii) Three year's experience in R & D in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services

Desirable:
Relevant work experience must be in development of software/database or web portal which are live and being accessed by many users. The candidate must have excellent programming

skills in a modern programming language like Python, JAVA, Node.js, PHP etc. The candidate must have experience in design, development and deployment of web portals using HTML5, Javascript/Jquery/React.js, Bootstrap, CSS etc; data base development/administration using technologies like Postgres, MS-SQL, MySQL, MongoDB, (SQL/NoSQL based DB tools) etc; installation/configuration of Apache/Tomcat/Nginx etc. Proficiency in any Web framework applications like Flask, Django, Laravel, etc. In additional knowledge of LINUX system administration and content management tools like Drupal, Joomla etc will be a plus point. **The candidates must highlight their research experience with dates and duration in their CV**. Applications where experience is not highlighted will be rejected.

Emoluments
The selected candidates will draw consolidated emoluments as per Institute Rules.
Rs 67,000/- consolidated p.m. plus 24% HRA

General Terms & Conditions:

1.   The candidates selected for the above posts will be on contract for one year or the duration of the project whichever is shorter, at a time.
2.   No hostel/ housing facility will be provided.
3.   Applicants may clearly mention the category they belong to i.e. SC/ST/OBC/PH and attach documentary proof of the same.
4.   No TA/DA will be paid for attending the interview, if called for.
5.   Apart from sending application in the prescribed format given below, candidates should send complete *Curriculum Vitae* along with the names of three referees. *Curriculum Vitae* should contain details of the experimental expertise.
6.   Canvassing in any form will be a disqualification.

HOW TO APPLY

Interested candidates may apply directly, **STRICTLY IN THE PRESCRIBED FORMAT GIVEN BELOW,** through e-mail, to the Investigator of the project, clearly indicating the name of the project along with their complete C.V., e-mail id, fax numbers, telephone numbers. **Only Short listed candidates** will be called for interview and they required to submit attested copies of all their certificates and a Demand Draft of Rs 100/- drawn on Canara Bank or Indian Bank payable at Delhi/New Delhi in favour of the Director, NII (SC/ST/PH and Women candidates are exempted subject to submission of documentary proof), at the time of interview.

LAST DATE OF RECEIPT OF APPLICATIONS: 24th June, 2024

PRESCRIBED FORMAT

1.	Full Name

2.	Father's Name	
3.	Mother's Name	
4.	Date of Birth & Age	
5.	Gender	
6.	Category (SC/ ST/ OBC / PH)	
7 (a)	Full Correspondence Address	
(b)	Permanent Address	
8.	E. mail-ID, Fax, Telephone No. and Mobile No. (if any)	
9.	Details of Past Experience & Present Employment , If any	
10.	Please State, whether holding Overseas Citizenship of India Card (OCI), (YES/NO)	
11.	Whether qualified any 'National Level Examination' e.g. (NET/GATE), (if any)	
12.	Details of the Academic Qualifications:	

Name of examination passed	Year of passing	Board/Institution/University	Percentage and division	Remarks

Please Note: -
1.   **Applications containing incomplete information shall not be entertained.**
2.   **Date of passing the examinations must be indicated clearly.**