



आई.सी.एम.आर.-राष्ट्रीय मलेरिया अनुसंधान संस्थान
स्वास्थ्य अनुसंधान विभाग,
स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार
ICMR-National Institute of Malaria Research
Department of Health Research
Ministry of Health and Family Welfare, Government of India

“Government strives to have a work force which reflects gender balance and women candidates are encouraged to apply”

Advt. No.: NIMR/Proj/Intra/HMM/134/24/...

Dated: 02.02.2024

VACANCY NOTIFICATION FOR CONTRACTUAL POSTS

Online applications are invited in the prescribed format available on the websites of ICMR-NIMR, through link <http://onlineapply.nimr.org.in/> up to **05:00 PM by 16 February 2024** for filling up the following posts under the various projects entitled below on a contractual basis at various sites. After the screening of applications, only shortlisted applicants will be interviewed online.

Note: Candidates need to apply separately for same post in different projects.

Details of the Sites and the Posts to be filled: -

Project Title		Development of antigen-based and molecular diagnostic tools for improved detection of malaria and its genetic mutants			
Project Code:		NIMR/Intra/01			
Sl. No.	Name of the sites	Name of the Posts & Category			
		Project Research Scientist II (Non – Medical)	Project Research Scientist I (Non –Medical)	Project Technical Support III	Project Technical Support II
1.	NIMR, Delhi	01 (UR)	02 UR	02 UR, 01SC	01UR, 01 OBC
2.	NIMR, Field Unit, Nadiad	--	--	--	01 ST
3.	NIMR, Field Unit, Guwahati	--	--	--	01 OBC
4.	NIMR, Field Unit, Raipur	--	--	--	01 SC
5.	DBT-NIAB, Hyderabad	--	--	01 UR	--
6.	ICMR-RMRC, Bhubaneswar	--	--	01 OBC	--
TOTAL		01 UR	02 UR	05 (03 UR,01SC, 01 OBC)	05 (01 UR,02 OBC, 01 SC, 01 ST)

Project Title		Exploring the Landscape of the Mosquito Genome and its Functional Relationship with the Human-Mosquito Microbiome in the Mosquitoes Behavioral Physiology		
Project Code:		NIMR/Intra/02		
Sl. No.	Name of the sites	Name of the Posts & Category		
		Consultant	Project Research Scientist II (Non – Medical)	Project Research Scientist I (Non – Medical)
1.	NIMR, Delhi	01 UR	02 UR	01 UR, 01 SC
TOTAL		01(UR)	02 (UR)	02 (01 UR,01 SC)

Project Title		Screening and evaluating novel molecules for developing potent vector control tools	
Project Code:		NIMR/Intra/03	
Sl. No.	Name of the sites	Name of the Posts & Category	
		Project Research Scientist II (Non – Medical)	Project Research Scientist I (Non –Medical)
1.	NIMR, Delhi	01 UR	01 OBC
TOTAL		01 UR	01 OBC

Project Title		Tailored interventions for vector surveillance and control		
Project Code:		NIMR/Intra/04		
Sl. No.	Name of the sites	Name of the Posts & Category		
		Project Research Scientist I (Non – Medical)	Project Technical Support III	Project Technical Support I
1.	NIMR, Delhi	01 UR	01SC, 01 EWS	--
2.	Mizoram	--	01 ST	01 ST
3.	Tripura	--	01 UR	01 UR
TOTAL		01 UR	04 (01 UR, 01 EWS, 01 SC, 01 ST)	02 (01UR, 01 ST)

Project Title		Multi-Location field testing to assess acceptability of bottle bio-assay to monitor susceptibility in prevalent vector species with WHO discriminating concentrations of different insecticides		
Project Code:		NIMR/Intra/05		
Sl. No.	Name of the sites	Name of the Posts & Category		
		Project Technical Support III	Project Technical Support II	Project Technical Support I
1.	NIMR, Delhi	01 OBC	--	01 ST
2.	NIMR, Field Unit, Bengaluru	--	01 SC	01 UR
3.	NIMR, Field Unit, Chennai	--	01 UR	01 OBC
4.	NIMR, Field Unit, Goa	--	01OBC	01 EWS
5.	NIMR, Field Unit, Guwahati	--	01 EWS	01 SC
6.	NIMR, Field Unit, Haridwar	--	01 UR	01 OBC
7.	NIMR, Field Unit, Nadiad	--	01 UR	01 UR
8.	NIMR, Field Unit, Raipur	--	01 OBC	01 UR
9.	NIMR, Field Unit, Ranchi	--	01 SC	01 UR
TOTAL		01 OBC	08 (03 UR,02 OBC,01 EWS, 02 SC)	09 (04 UR,02 OBC, 01 EWS, 01 SC, 01 ST)

Qualification and other details:-

Project Title		Development of antigen-based and molecular diagnostic tools for improved detection of malaria and its genetic mutants			
Duration of the Project		Upto 31.12.2024			
Project Code:		NIMR/Intra/01			
S. No	Name of the Post	No. of Post	Consolidated emoluments (Per Month)	Essential / Desirable Qualifications and Experience	Age limit
1.	Project Research Scientist II (Non-Medical)	01	Rs. 67,000/- +HRA (as applicable)	<p>Essential Qualification: First class Post Graduate Degree including the integrated PG degrees, with three years Experience or Ph.D OR Second Class Post Graduate Degree including the integrated PG degrees, with PhD and three Years Experience.</p> <p>Desirable: Experience in the development of diagnostics, and protein engineering in infectious diseases.</p>	40 Years
2.	Project Research Scientist I (Non-Medical)	02	Rs. 56,000/- +HRA (as applicable)	<p>Essential Qualification: First class Post Graduate Degree including the integrated PG degrees OR Second Class Post Graduate Degree including the integrated PG degrees with PhD.</p> <p>Desirable: Experience in vector-borne diseases particularly in qPCR standardization, molecular biology, bioinformatics, genome sequence analysis, recombinant biotechnology and protein biochemistry.</p>	35 Years
3.	Project Technical Support-III	05	Rs. 28,000/+HRA (as applicable)	<p>Essential Qualification: Three years graduate degree in Life Science subjects +three years experience OR Post Graduate degree in Life Science subjects or equivalent.</p> <p>Desirable: Experience in infectious disease diagnosis.</p>	35 Years
4.	Project Technical Support-II	05	Rs. 20,000/+HRA (as applicable)	<p>Essential Qualification: 12th in Science + Diploma (MLT/DMLT) + five years experience in relevant subject/field.</p> <p>Desirable: Experience in infectious disease diagnosis.</p>	30 Years

Project Title		Exploring the Landscape of the Mosquito Genome and its Functional Relationship with the Human-Mosquito Microbiome in the Mosquitoes Behavioral Physiology			
Duration of the Project		Upto 31.12.2024			
Project Code:		NIMR/Intra/02			
S. No	Name of the Post	No. of Post	Consolidated emoluments (Per Month)	Essential / Desirable Qualifications and Experience	Age limit
1.	Consultant	01	Rs. 100,000/-	<p><u>Essential Qualification:</u> Ph.D in Molecular biology, Genetics or Genomics, preferably on mosquitoes.</p> <p><u>Desirable:</u></p> <ol style="list-style-type: none"> 1. Demonstrated experience in conducting whole genome sequencing projects, preferably with a focus on mosquitoes or vector biology. 2. Knowledge of the biology of malaria vectors and genetics for understanding the specific challenges and considerations related to mosquito genome sequencing. 3. Proficiency in molecular biology techniques and sequencing protocols. 4. Competence in bioinformatics tools and analysis pipelines for processing and interpreting whole genome sequencing data. 5. Understanding of the broader context of mosquito vector control and the potential applications of genomic data in developing control strategies. 6. A track record of relevant publications in peer-reviewed journals, showcasing the consultant's contributions to the field. 7. Ability to plan, execute, and manage a genome sequencing project, including coordinating with laboratory staff, bioinformaticians, and other stakeholders. 8. A candidate having experience in mosquito biology/genomics would be preferred. 	70 years
2.	Project Research Scientist II (Non-Medical)	02 01- Molecular Genomics 01- Bioinformatics	Rs. 67,000/- +HRA (as applicable)	<p><u>Essential Qualification:</u> First class Post Graduate Degree including the integrated PG degrees, with three years Experience or Ph.D OR Second Class Post Graduate Degree including the integrated PG degrees, with PhD and three Years Experience.</p> <p><u>Desirable (Molecular Genomics):</u> The applicant must have demonstrated a track record of research work in the field of</p>	40 Years

				<p>mosquito-parasite interaction and genomics</p> <ul style="list-style-type: none"> • Expertise in RNAseq data generation, analysis, molecular target identification, characterization, dsRNAseq mediated gene silencing, and bio-assay design including artificial membrane feeding assay, anti-larval assay, etc. • In addition to these laboratories-based research competencies, candidates having expertise in the field of epidemiological-cum- mosquito/ vector bionomics surveillance, Iso-female line generation, and genomic identity validation/evaluation, would be highly desirable and preference • Experience in whole genome next-generation sequencing including extraction, library preparation and Sequencing would be advantageous. • Preference would be given to the candidate having a Ph.D. • Having demonstrated proof of the above research competencies in terms of high-impact publications in the peer-reviewed indexed journal with at least two first-authored research <p><u>Duties/Responsibilities:</u></p> <ul style="list-style-type: none"> • The selected would be key personnel for the overall management of the project and would be responsible for carrying out and managing the laboratory experiments on whole genome sequencing, RNAseq sequencing, database analysis, validation, KO, and biochemical/cellular assay development to correlate various phenotype laboratory if any; • In addition to performing laboratory-based bioassays candidate is also expected to overview insecticide susceptibility test, Plasmodium infection, manage and support the rearing of wild-caught mosquitoes, if applicable; • Presentation, Project report, article drafting, and other conceptual 	
--	--	--	--	--	--

				<p>hypothesis/idea contributions to the development in terms of vector control</p> <p><u>Desirable (Bioinformatics):</u></p> <ul style="list-style-type: none"> • The applicant should have basic understanding of molecular biology and Genomics:- Should have hands on experience in NGS data analysis such as WGS, WES, RNA-Seq, assembly, variant calling, and downstream analysis • Expertise in Perl/Python programming • Experience in designing and developing the bioinformatics pipeline • Knowledge in WGS, GWAS and population genomics will be preferred • Knowledge of data and quality metrics of different sequencing platforms – Illumina, Pacbio, Ion Torrent, 10X and various array platforms • Should have experience of handling big data and guiding team members on multiple projects simultaneously <p><u>Duties/Responsibilities:</u></p> <p>The selected personnel would be responsible for the overall management of the bioinformatics part of the project and would do all the downstream analysis such as genome assembly, annotation, population genomics analysis of multiple mosquito vectors. Applicant should have experience coordinating with different groups of research scientist for various projects requirements and would work with team as well as independently.</p>	
3.	Project Research Scientist I (Non-Medical)	02 01- Omics: Proteomics & Metabolomics 01- Metagenomics	Rs. 56,000/- +HRA (as applicable)	<p><u>Essential Qualification:</u> First class Post Graduate Degree including the integrated PG degrees OR Second Class Post Graduate Degree including the integrated PG degrees with PhD.</p> <p><u>Desirable: (Omics: Proteomics & Metabolomics):</u></p> <p>The applicant must have a demonstrated track record of specialized research work experience in cloning, expression of recombinant protein production, purification, and characterization, polyclonal antibody production, immunology, and cellular assays development viz. confocal microscopy,</p>	35 Years

			<p>immunofluorescence etc., along with proteomic profiling LC/MS profiling, data generation, analysis etc</p> <ul style="list-style-type: none"> • A knowledge/experience in behavioural mosquito-parasite interaction, and malaria transmission would be highly desirable • Having demonstrated proof of the above research competencies in terms of high-impact publications in the peer-reviewed indexed journal with at least one first-authored research • Preference would be given to the candidate having a Ph.D. degree. <p><u>Duties/Responsibilities:</u> The selected personnel would have a specific responsibility to perform laboratory-based experiments all relevant to functional genomics studies primarily on cloning and purification of recombinant protein, antisera generation/validation by immune assays etc.</p> <p><u>Desirable:(Metagenomics)</u> The applicant should have a basic understanding of genetics, metagenomics, and phylogenetics:-</p> <ul style="list-style-type: none"> • Should have hands-on experience in NGS data analysis such as Metagenomics, WGS, GWAS, assembly, variant calling and population genomics. • Should be proficient in at least one of the programming languages: Python and Perl. • Should be comfortable working in Linux • Proficient in R programming and various packages related to bioinformatics. • Experienced in designing and developing the bioinformatics pipeline • Knowledge of Genomic and metagenomics databases should be there. • Knowledge of various bioinformatics tools such as GATK, Samtools, freebayes, BWA, Bowtie, STAR, 	
--	--	--	--	--

				<p>Picard, bedtools, Samblaster would be preferred.</p> <ul style="list-style-type: none"> Should have experience of handling big data and guiding team members on multiple projects simultaneously <p><u>Duties/Responsibilities:</u></p> <p>The selected personnel would be expected to do the metagenomics, population genomics, and GWAS analysis of multiple mosquito vectors. Since the applicant would be working in teams of scientists and technical staff of multiple disciplines, should be versatile, multi-tasking and ready to learn basic science too.</p>	
--	--	--	--	---	--

Project Title		Screening and evaluating novel molecules for developing potent vector control tools			
Duration of the Project		Upto 31.12.2024			
Project Code:		NIMR/Intra/03			
S. No.	Name of the Post	No. of Post	Consolidated emoluments (Per Month)	Essential / Desirable Qualifications and Experience	Age limit
1.	Project Research Scientist II (Non-Medical)	01	Rs. 67,000/- +HRA (as applicable)	<p><u>Essential Qualification:</u> First class Post Graduate Degree including the integrated PG degrees, with three years Experience or Ph.D OR Second Class Post Graduate Degree including the integrated PG degrees, with PhD and three Years Experience.</p> <p><u>Desirable :</u> The applicant must have demonstrated a track record of research work in the field of mosquito-parasite interaction and functional genomics viz. RNAseq data generation, analysis, molecular target identification, characterization; dsRNAseq mediated gene silencing, and bio-assay design including artificial membrane feeding assay, anti-larval assay, etc. In addition to these laboratories-based research competencies, candidates having expertise in the field of epidemiological-cum- mosquito/ vector bionomics surveillance would be highly desirable and preference.</p>	40 Years

				<ul style="list-style-type: none"> • Preference would be given to the candidate having a Ph.D. • Having demonstrated proof of the above research competencies in terms of high-impact publications in the peer-reviewed indexed journal with at least two first-authored research <p><u>Duties/Responsibilities:</u></p> <ul style="list-style-type: none"> • The selected candidate would be key personnel for the overall management of the project and would be responsible for carrying out and managing the laboratory experiments on RNAseq sequencing, database analysis, validation, KO, and biochemical/cellular assay development to correlate various phenotype laboratory if any; • In addition to performing laboratory-based bioassays candidate is also expected to overview insecticide susceptibility test, Plasmodium infection, manage and support the rearing of wild-caught mosquitoes, if applicable; • Presentation, Project report, article drafting, and other conceptual hypothesis/idea contributions to the development in terms of vector control. 	
2.	Project Research Scientist I (Non-Medical)	01	Rs. 56,000/- +HRA (as applicable)	<p><u>Essential Qualification:</u> First class Post Graduate Degree including the integrated PG degrees OR Second Class Post Graduate Degree including the integrated PG degrees with PhD.</p> <p><u>Desirable:</u> The applicant must have a demonstrated track record of specialized research work experience in recombinant protein production, purification, and immunology assay development along with key knowledge/experience in behavioral physiology of mosquito-parasite interaction, and malaria transmission.</p>	35 Years

				<ul style="list-style-type: none"> • Having demonstrated proof of the above research competencies in terms of high-impact publications in the peer-reviewed indexed journal with at least one first-authored research • Preference would be given to the candidate having a Ph.D. degree. <p><u>Duties/Responsibilities:</u></p> <ul style="list-style-type: none"> • The selected personnel would have a specific responsibility to perform laboratory-based experiments all relevant to functional genomics studies primarily on cloning and purification of recombinant protein, antisera generation/validation by immune assays etc. 	
--	--	--	--	--	--

Project Title		Tailored interventions for vector surveillance and control			
Duration of the Project		Upto 31.12.2024			
Project Code:		NIMR/Intra/04			
S. No.	Name of the Post	No. of Post	Consolidated emoluments (Per Month)	Essential / Desirable Qualifications and Experience	Age limit
1.	Project Research Scientist I (Non-Medical)	01	Rs. 56,000/- +HRA (as applicable)	<p><u>Essential Qualification:</u> First class Post Graduate Degree including the integrated PG degrees OR Second Class Post Graduate Degree including the integrated PG degrees with PhD.</p> <p><u>Desirable:</u></p> <ul style="list-style-type: none"> • Demonstrated experience in vector control tool development, their evaluation and inputting into the associated guidance and/or guidelines development processes. • Proficiency in molecular biology techniques and sequencing protocols. • Ability to plan, execute and manage the project work at study sites (Assam, Mizoram and Tripura) 	35 Years

				<ul style="list-style-type: none"> Performs complex laboratory procedures for isolation and identification of Mosquito vectors and has field experience in medical entomology. <p><u>Duties/Responsibilities:</u></p> <ul style="list-style-type: none"> The selected would be the key personnel for the overall management of the project and would be responsible for carrying out and managing the molecular biology laboratory experiments. Presentation, project report drafting, and communication with the project staff at field sites. Visit the study sites (Assam, Mizoram, and Tripura) as per the requirement. 	
2.	Project Technical Support- III	04	Rs. 28,000/+HRA (as applicable)	<p><u>Essential Qualification:</u> Three years graduate degree in Life Science subjects +three years experience OR Post Graduate degree in Life Science subjects or equivalent.</p> <p><u>Desirable:</u> Working experience in laboratories, computer, data handling and other lab support.</p>	35 Years
3.	Project Technical Support- I	02	Rs. 18,000/+HRA (as applicable)	<p><u>Essential Qualification:</u> 10th + Diploma (MLT+DMLT/ITI) + two years experience in relevant subject/field.</p> <p><u>Desirable:</u> Experience in mosquito collection, field studies and insectary maintenance.</p>	28 Years

Project Title		Multi-Location field testing to assess acceptability of bottle bio-assay to monitor susceptibility in prevalent vector species with WHO discriminating concentrations of different insecticides			
Duration of the Project		Upto 31.12.2024			
Project Code:		NIMR/Intra/05			
S. No.	Name of the Post	No. of Post	Consolidated emoluments (Per Month)	Essential / Desirable Qualifications and Experience	Age limit
1.	Project Technical Support- III	01	Rs. 28,000/+HRA (as applicable)	<p><u>Essential Qualification:</u> Three years graduate degree in Life Science subjects +three years experience OR Post Graduate degree in Life Science subjects or equivalent.</p>	35 Years

				Desirable: Working experience in laboratories, computer, data handling and other lab support.	
2.	Project Technical Support- II	08	Rs. 20,000/+HRA (as applicable)	Essential Qualification: 12 th in Science + Diploma (MLT/DMLT) + five years experience in relevant subject/field. Desirable: Working experience in vector biology and control and insectary maintenance.	30 Years
3	Project Technical Support- I	09	Rs. 18,000/+HRA (as applicable)	Essential Qualification: 10 th + Diploma (MLT+DMLT/ITI) + two years experience in relevant subject/field. Desirable: Experience in mosquito collection, field studies and insectary maintenance.	28 Years

Schedule of online interview

S. No.	Project Code	Name of Project	Name of the Post	Online interview date & time
1.	NIMR/Intra/01	Development of antigen-based and molecular diagnostic tools for improved detection of malaria and its genetic mutants	Project Research Scientist II (Non-Medical)	On 26.02.2024 From 11:00 AM onwards
			Project Research Scientist I (Non-Medical)	
			Project Technical Support- III	
			Project Technical Support- II	
2.	NIMR/Intra/02	Exploring the Landscape of the Mosquito Genome and its Functional Relationship with the Human-Mosquito Microbiome in the Mosquitoes Behavioral Physiology	Consultant	On 27.02.2024 From 11:00 AM onwards
			Project Research Scientist II (Non-Medical)	
			Project Research Scientist I (Non-Medical)	
3.	NIMR/Intra/03	Screening and evaluating novel molecules for developing potent vector control tools	Project Research Scientist II (Non-Medical)	On 28.02.2024 From 11:00 AM onwards
			Project Research Scientist I (Non-Medical)	
4.	NIMR/Intra/04	Tailored interventions for vector surveillance and control	Project Research Scientist I (Non-Medical)	On 29.02.2024 From 11:00 AM onwards
			Project Technical Support- III	
			Project Technical Support- I	
5.	NIMR/Intra/05	Multi-Location field testing to assess acceptability of bottle bio-assay to monitor susceptibility in prevalent	Project Technical Support- III	On 05.03.2024 From 11:00 AM onwards
			Project Technical Support- II	

		vector species with WHO discriminating concentrations of different insecticides	Project Technical Support- I	
--	--	---	------------------------------	--

PROCEDURE FOR RECRUITMENT:

1. Candidates meeting the age criteria and possessing the required qualifications, experience, etc. can fill the Application Form through link <http://onlineapply.nimr.org.in/> up to **05:00 PM on 16 February 2024 after that link will disable automatically.**
2. The link for online interview will be shared with the shortlisted candidates via e-mail, the same can also be checked at website of NIMR.
3. Shortlisting of candidates for interview shall be done on basis of educational qualification and experience. However, if the numbers of shortlisted candidates are high and it is not feasible to call all of them, the appointing authority may fix a suitable criteria for shortlisting the candidates.
4. Selection of Candidate will be based on the performance in the interview.

Terms and Conditions:

1. Incomplete applications or application not submitted in prescribed format or without photo and signature or received after last date shall be summarily rejected.
2. Submission of incorrect or false information shall disqualify the candidature at any stage of recruitment process.
3. The benefit of Provident Fund, Leave Travel Concession, Medical claim, CCA etc. will not be available to the project employee.
4. Qualification and experience should be in relevant discipline/field and from a reputed institution/organization recognized by competent authority.
5. The experience will be counted only after completion of minimum essential educational qualification prescribed for the post.
6. Cut off date for age limit will be considered as on the last date of submission of Application Form.
7. No age relaxation shall be admissible against the unreserved vacancy as per Govt. of India orders.
8. The Director, NIMR has the right to accept/ reject any application without assigning any reason thereof and no correspondence/recommendation will be entertained in this matter.
9. The Director, NIMR reserves right to fill up or not fill up the post advertised on website.
10. Candidates have to submit the duly self-attested copies of proof of their age, educational qualifications, experiences, testimonials etc. at the time of joining, if selected.
11. Canvassing and bringing outside influence in any form for short listing or employment will be treated as disqualification and the candidate will be debarred from selection process.
12. Mere fulfilling the essential qualification/experience does not guarantee for shortlisting and selection.
13. Since the post is filled-up on purely temporary and contractual basis, the candidate will have no right to claim for any type of regular/permanent employment under ICMR-NIMR or continuation of his/her services in any other project.
14. The Director, NIMR reserves the right to prepare/frame a panel of waitlist candidates which shall be valid for one year.
15. No TA/DA will be paid to attend the interview or joining the post and candidates should make his/her own arrangement for stay for the duration of interview as well after joining the post, in case of selection.

16. Candidates already in regular service under any Central/State govt./Autonomous/dept/PSU are not eligible to apply.
17. Selected candidate will be granted Leave as per ICMR guidelines.
18. The selected candidate shall be engaged initially for duration offered and may continue further after review on the basis of his/her performance and depending upon tenure of the project, availability of funds, functional requirement.
19. Those appearing for Walk-in-Interview/personal discussion, he/she must bring all original certificates (1) Educational qualification (2) Proof of Date of birth (3) Experience certificates/testimonials (4) One-self attested recent passport size photograph (5) ID Proof (Ex. Aadhar/PAN/Voter ID/Driving License etc.) (6) One set of self-attested photocopies of all documents. (7) Candidates should produce all certifications/testimonials in original for verification at the time of walk-in interview (8) Valid caste Certificate in the format applicable for applying jobs in the Central Govt., wherever applicable.
20. Any Addendum/Corrigendum in respect of above vacancy, notice shall be issued on websites <https://main.icmr.nic.in/> and <https://nimr.icmr.org.in/> only and no separate notification shall be issued in the press. Applicants are requested to regularly visit the websites (<https://main.icmr.nic.in/> and <https://nimr.icmr.org.in/>.) to keep themselves updated.
21. The advertisement and the application link is available on website <https://main.icmr.nic.in/> and <https://nimr.icmr.org.in/>.

Director
ICMR-NIMR

Published on ICMR and NIMR website on 02.02.2024