



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

Applications are invited for the position of Senior Research Fellow/Junior Research Fellow (Project) for the following time-bound sponsored project as per the details given below:

S. No	Name of the project & Duration of the Project	Post details and No of Posts	Name of the Project Investigator and Email ID
1.	Project entitled “Using next generation genome editing tool CRISPR/Cas9 in <i>Caenorhabditis elegans</i> to understand the molecular link of nutrient signaling and aging” funded by DBT Tenable till 05.07.2022	Senior Research Fellow / Junior Research Fellow (Project) (One position only)	Dr. Arnab Mukhopadhyay Staff Scientist-VI Email : arnab@nii.ac.in

Educational Qualifications:

Masters degree (M.Sc./M.Tech) in Bioinformatics or any area of life science or MCA, good academic record . The applicant should have qualified any ‘National Level Examination’. The candidates will be considered for SRF if they have two years of research experience.

Emoluments: The selected candidates will draw consolidated emoluments as per DST OM dated 30.01.2019, depending upon qualifications & experience

Senior Research Fellow: Rs. 35,000/- per month plus 24% HRA

Junior Research Fellow: Rs. 31,000/- per month plus 24% HRA

Job description & Desired Knowledge:

The candidates are expected to have:

- i. Experience in Next generation sequencing analysis of transcriptomics, ChIP-seq and small RNA-seq data
- ii. Ability to analyze raw primary data generated by Illumina Next generation sequencing platform and create/troubleshoot custom analysis pipelines
- iii. Ability to handle all downstream secondary and tertiary data analysis using commercially available as well as open source software (transcriptomics, ChIP-seq, small RNA-seq)
- iv. Apart from these, the applicant should have knowledge of the following:
 - Scripting language: R, Perl and/or Python.
 - Operating system: Unix, Linux and Windows.
 - Exposure to NGS Analysis tools like: Maq, BWA, Bowtie, SAM tools, BEDTools, MACS, Galaxy, FastQC, Tophat, Cufflinks, AvadisNGS, CLC Genomics Workbench, Galaxy, BaseSpace, Trinity
 - Understandin of Statistics using: Microsoft Excel and R.
 - Genome Browser: UCSC, Ensemble, IGV, IGB
 - Ability to use Motif Analysis Tools like: MEME Suite, Transfac and RSAT
 - Functional Annotation Tools: DAVID, GeneCodis, Gene Cards

General Terms & Conditions:

1. The candidates selected for the above posts will be on contract for one year or duration of the project whichever is shorter, at a time.
2. Hostel/ housing facility will be provided for female candidates.
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 and list of publications.
6. **Shortlisted candidates will be intimated by email about the date and time of Interviews. Interviews of shortlisted candidates will be held through online video conferencing tools.**
7. 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/STPH and Women candidates are exempted from payment of fees) subject to submission of documentary proof), at the time of interview.

LAST DATE OF RECEIPT OF APPLICATIONS: 20.09.2021

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.	Candidates should state clearly whether they have been awarded Ph.D degree or Thesis has been submitted				
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/Universit	Percentage an division	Remarks

Please Note:

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

