



बीआरआईसी  
बायोटेक्नोलॉजी विभाग का संगठन  
BRIC  
a DBT Organization



राष्ट्रीय प्रतिरक्षाविज्ञान  
संस्थान  
National Institute of  
Immunology

Applications are invited for the one position of Senior 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 Facility Incharge and Email ID
1.	“Investigating the Role of Tfh Cells in Shaping Humoral Immunity in Dengue funded by DBT  Tenable till-26.04.2029	Senior Research Fellow (Project)  (One position only)	Dr. Nimesh Gupta Staff Scientist-V <a href="mailto:nimesh.gupta@nii.ac.in">nimesh.gupta@nii.ac.in</a>

**Educational Qualifications:** M.Sc. or M.Tech in any area of Life Sciences with minimum two years of post M.Sc. experience. Candidates should have cleared any National Level Examination Test (NET/GATE etc.)

**Job Description & Desired Knowledge:** This project investigates how Tfh cells regulate antibody responses during dengue infection and contribute to severe disease (See article [https://www.cell.com/cell-reports/fulltext/S2211-1247\(25\)00137-8](https://www.cell.com/cell-reports/fulltext/S2211-1247(25)00137-8)). Using a longitudinal cohort of dengue patients, it integrates immunophenotyping, serological profiling, and single-cell RNA/TCR sequencing to define Tfh-cell signatures and functionally validate mechanisms driving protective versus pathogenic outcomes.

The candidate should have experience in handling human clinical samples, including PBMC isolation and plasma processing. Strong expertise in immunological assays is required, particularly T-cell phenotyping (flow cytometry, T-cell assays) and serological analyses (ELISA, neutralization assays). Experience in virus handling and isolation, preferably dengue, is desirable. The candidate should be proficient in RNA-seq workflows, including library preparation and bioinformatics analysis (e.g., Seurat, Cell Ranger, R). Familiarity with single-cell transcriptomics and TCR repertoire analysis is essential. Strong analytical skills and the ability to work in a multidisciplinary team are expected.

**Emoluments:** The selected candidates will draw consolidated emoluments as per Institute Rules, depending upon qualifications & experience:

Rs. 42,000/- per month plus 27% HRA (As per DST OM dated 26.06.2023)

**General Terms & Conditions:**

1. The candidates selected for the above posts will be on contract for one year or for 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 and list of publications.
6. Canvassing in any form will be a disqualification.
7. The Interviews will be held in offline/online mode

**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 CV, 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. A demand Draft of Rs 100/- drawn on Canara Bank or Indian Bank payable at Delhi/New Delhi in favour of the Director, NII or can make the payment through UPI/Paytm/Phone Pe etc. in **the Bank A/c Beneficiary Name: Director, NII/Account No. 1484101001636/IFSC: CNRB0001484/**) and Women & SC/ST/PH Candidates are exempted from payment of fees, (subject to submission of documentary proof), at the time of interview.

**LAST DATE OF RECEIPT OF APPLICATIONS: 17<sup>th</sup> July, 2026**

**PRESCRIBED FORMAT**

1.	Full Name				
2.	Father's Name				
3.	Mother's Name				
4.	Date of Birth & Age				
5.	Gender				
6.	Category (UR/SC/ST/OBC/PH)				
7 (a)	Full Current Correspondence Address				
(b)	Permanent Address				
8.	Email Id Mobile No.				
9.	Details of Past Experience & Present Employment , If any				
10.	Whether qualified any 'National Level Examination' (Please State)				
11.	Please State, whether holding Overseas Citizenship Card of India, (Yes/No)				
12.	Details of the Academic/Professional 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.**