



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

Applications are invited for the position of Research Associate 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 "A novel vaccine evaluation platform to support to SARS-CoV-2 vaccine development in resource-limiting setting" funded by BIRAC  Tenable till : 15.07.2022	Research Associate (One position only)	Dr. Santiswarup Singha, SS-IV <a href="mailto:santiswarup@nii.ac.in">santiswarup@nii.ac.in</a>  (The candidate may apply to the above-mentioned email address by and mention "Research Associate" in the subject of email.

**Educational Qualifications:** Ph.D in any branch of Life Sciences.

**Emoluments:** The selected candidates will draw consolidated emoluments as per DST OM dated 30.01.2019.

Rs. 47,000/- per month consolidated plus 24% HRA

**Job description & Desired Knowledge:**

The Research Associate will perform the experiments for producing peptide-major histocompatibility complex (p-MHC)-tetramer, labelled with flouochrome for characterizing antigen-specific T-cells. The experiments will have moderate-to-high complexity, including (but not limited to) bacterial culture, transformation, cloning, purification of plasmid DNA, cell culture for producing lentivirus, protein biochemistry, expression of p-MHC, formulating p-MHC tetramer, animal handling, and flow cytometry. The Research Associate will also record, analyze and plot the data to compile into the report for communication with PI in a planned and timely manner.

- Experience in bacterial culture, cloning, transformation, qRT-PCR and plasmid DNA isolation.
  - Experience in cell culture, including (but not limited to) HEK-293T and Chinese hamster ovary (CHO) cells).
  - Experience in working with lentivirus, transduction for making stable protein expression cell lime (preferably in CHO cells).
  - Sound knowledge in fast protein liquid chromatography (FPLC)-based protein purification techniques including gel-filtration, affinity, and ion-exchange chromatography.
  - Experience in characterizing the purified-protein using SDS/NATIVE PAGE, Western blot analysis.
  - Experience with Flow cytometry
  - Experience in optical, fluorescence microscopy
  - Working knowledge of Immunology, mouse handling, including harvesting of tissues and collecting blood for characterization of immune cells by flow cytometry.
  - First author publications (minimum one) in Microbiology /Immunology /Biochemistry or related field.
- Strong communication skill including advanced skills in Microsoft Office suite (Word, Excel, PowerPoint), data analysis software such as GraphPad prism/ Origin/SigmaPlot etc. and ability to work in a team.

**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 to the female candidates, subject to availability.
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 CV, contact details and three recommendation letters. All the necessary documents should be send as one PDF file. The PDF file should be named as – '*Name of applicant\_Position applied*'. 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 from payment of fees, subject to submission of documentary proof), at the time of interview.

**LAST DATE OF RECEIPT OF APPLICATIONS: 29.11.2021**

### **PRESCRIBED FORMAT (use additional sheet for providing details)**

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.	Contact details (Email-ID, Telephone/Mobile No.)																				
9.	Details of Past Experience																				
10.	Details of Present Employment, if not employed then state the reason																				
11.	Candidates should state clearly whether they have been awarded Ph.D degree/Thesis defended or Thesis has been submitted																				
12.	List of publications/patents authored till date																				
13.	Whether qualified any ' <b>National Level Examination</b> ' e.g. (NET/GATE)																				
14.	Details of the Academic Qualifications:																				
	<table border="1"><thead><tr><th>Name of examination passed</th><th>Year of passing</th><th>Board/Institution/University</th><th>Percentage and division</th><th>Remarks</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Name of examination passed	Year of passing	Board/Institution/University	Percentage and division	Remarks															
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#### **Please Note:**

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