



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

Applications are invited for the position of 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.	"Multi-functional Nanomaterial systems for modulation of glycosylation in animals" funded by DST Tenable till 12.03.2021	Junior Research Fellow (P) (One position only)	S.Gopalan Sampathkumar, Staff Scientist-VI gopalan@nii.ac.in

Educational Qualifications: M. Sc., in Chemistry, Organic Chemistry, or Pharmaceutical chemistry or M. Pharm.

Emoluments: Junior Research Fellow (Project) - Rs. 31,000/- per month plus 24% HRA (As per DST OM dated 30.01.2019).

Job description & Desired Knowledge:

This position involves multi-gram and multi-step synthesis of carbohydrate analogues and intermediates, synthesis of water soluble polymeric derivatives with defined molecular weights, peptide synthesis – both solution and solid-phase, protecting and de-protecting methodologies, purification by column chromatography and characterization by NMR, HPLC, mass spectrometry and other techniques.

Knowledge of design of synthesis, retrosynthetic analysis, methodologies for functional group interconversions, and reaction mechanisms are essential.

Prior experience in peptide synthesis, organic synthesis, preparation and formulation and characterization of nano- and micro- particles is desirable.

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. 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. Shortlisted candidates will be intimated by email about the date and time of interviews. Interview of shortlisted candidates will be held online through video conferencing.
6. 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.
7. Canvassing in any form will be a disqualification.