

ADVERTISEMENT

Research Associate (RA) & Senior Research Fellow (SRF) in the ICMR Funded Research Project

FEBRUARY 17, 2023

Applications are invited from interested and motivated candidates for the position of Senior Research Fellow (SRF) & Research Associate (RA) in a time bound in an ICMR funded research project for a temporary period, purely on contractual basis as per the following details.	
Positions	Senior Research Fellow (SRF) & Research Associate (RA)
Number of Vacancy	ONE SRF + ONE RA
Project Title	Computational biology assisted Design, Synthesis and Biological screening of small molecule Inhibitors against MurE Ligase from <i>S. Typhi</i>
Principal Investigator	Nasimul Hoda
Department and Institution	Department of Chemistry Jamia Millia Islamia, Jamia Nagar, New Delhi 110025, INDIA
Project Tenure	Initially for a period of one year with the provision of further continuation (till duration of the project, total 36 months) subject to satisfactory performance
Project Description	<p>Interested candidates are welcome to apply for the SRF and RA positions for a comprehensive drug discovery project aimed to discover potential MurE Ligase inhibitors for the development of potential anti-microbial agents.</p> <p>Salmonella enterica is a highly infectious bacteria which causes gastroenteritis and typhoid diseases. Due to the cumulative emergence of bacterial strains resistant to presently accessible antibiotics has created unfulfilled medical demands in antibacterial therapy. MurE ligase plays a pivotal role in peptidoglycan biosynthesis and essential for the development of bacterial cell wall and unique to prokaryotic cells. These features make MurE ligase as an attractive drug target for the development of novel antimicrobials agents, which are effective against both wild type and mutant <i>S. Typhi</i> strains. In order to rationally design MurE ligase inhibitors structure-based drug design strategy would be utilized to obtain thiazolidin-4-one based potential inhibitors. The identified molecules will be synthesized and their binding and inhibitory activity against MurE ligase will be carried out using SPR, ITC and other bioanalytical techniques. The minimum inhibition concentration for each identified inhibitors will be determined.</p>
Essential Qualifications	RA- Ph.D. in Chemistry/Biochemistry/Biotechnology/Pharmacy or allied field with expertise in the relevant area of research.

	Preference will be given to NET/GATE qualified candidates. SRF- M. Sc. in Chemistry/Biochemistry/M pharm or allied field with at least 55% marks and Two Years of research experience in the relevant area of research. Preference will be given to NET/GATE qualified candidates.
Desirable Qualifications	Applicant with expertise in Multi step organic Synthesis/Synthesis of therapeutically important compounds/ Molecular Biology/Cell Biology/Structural Biology/Bioinformatics and good command in oral and written communication skills in English will be given preference.
Age Limit	SRF-35 Yrs. RA- 40 Yrs Cut-off-date for age limit be as on last date of submission of application
Age relaxation	The upper age limit is relax-able up-to 5 years in the case of candidates belonging to scheduled castes/tribes, women and physically handicapped candidates.
Fellowship	Senior Research Fellow (SRF)- Rs. 35,000/-p.m + HRA

How to apply: Please submit a cover letter, attached application form, CV, and supporting documents combined into a single PDF file and also fill the attached form and send by e-mail to nhoda@jmi.ac.in on or before **March 05, 2023**.

Mode of Interview: Offline (Preferable) /online (in special circumstances)

Principal Investigator

Nasimul Hoda.
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Jamia Millia Islamia, Jamia Nagar
New Delhi 110025, INDIA
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General Instructions:

- Incomplete forms will not be accepted.
- Guidelines of funding agency to recruit manpower will be applicable.
- Only shortlisted candidates will be communicated to appear for the interview.
- Original certificates need to be presented before the interview for verification.
- Clearly mention about the position on the Application form (**RA or SRF**)
- No TA/Da will be paid for attending the interview

Application for RA/SRF

Name:

Father's Name:

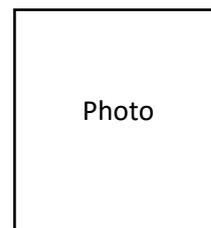
Date of Birth:

Address:

Mobile No.

E-mail:

Education:



Course Name	Major subject	Year	University	Grade

NET/GATE Score:

Title of M.Sc./Ph.D. Dissertation:

Experience:

Name of Organization	Designation	From	To	Role

Description of Research Project(s) Handled:

Details of Publications in last three years:

Technical Expertise:

Date

Place

Signature