

## **ADVERTISEMENT**

**Advertisement for Recruitment for Extramural Research Project titled "Development and Clinical Validation of an Artificial Intelligence-empowered antibiotic susceptibility device towards optimizing antimicrobial therapy regimen in leukaemia & bone marrow transplant patients".**

Department of Medical Oncology Haematology, AIIMS Rishikesh invites applications from outstanding and enthusiastic researchers for post-doctoral positions under the mentorship of Dr. Uttam Kumar Nath (Professor & Head, Department of Medical Oncology Haematology, AIIMS, Rishikesh) along with Dr. Saugata Hazra (Associate Professor in BSBE, IIT Roorkee), in a Collaborative ICMR project, titled "**Development and Clinical Validation of an Artificial Intelligence-empowered antibiotic susceptibility device towards optimizing antimicrobial therapy regimen in leukaemia & bone marrow transplant patients**"

(ICMR Proposal Id: IIRPIG-2023-0000773).

Applications are invited for the following positions:

<b>Sl. No.</b>	<b>Position</b>
<b>01</b>	<b>Project Research Scientist</b>
<b>02</b>	<b>Project Research Scientist</b>

**For Position 01:** The prospective candidate is expected to have a strong background in Microbiology, Biochemistry and Computational Biology and NGS Techniques (Whole Genome, Metagenome, Metagenome Shotgun etc.), Basic Molecular Biology Techniques, and Investigation of microbial activities. The candidate should be passionate about working on cutting-edge research that will lead to high-impact products and services. This position needs the candidate to be closely connected with the two collaborative institutes (AIIMS Rishikesh and IIT Roorkee) in the laboratories of Dr. Uttam Kumar Nath and Dr. Saugata Hazra. Other research activities may include discussions with overseas universities and research centers.

Minimum Qualification and Experience:

The prospective candidate should have the following specializations, i.e. at least five first-author SCI publications in the relevant fields, a solid academic background and a PhD degree in any of the two areas of Bioinformatics and Computational Biology but very importantly, need basic experience in another area also.

Experience in genome sequencing and handling microbiology samples would be extremely essential. Experience utilizing genome sequencing data towards structure function analysis and experience working in a collaborative group would be considered additional merit considering the current project's focus. Candidates who have recently submitted their doctoral thesis are also eligible to apply, subject to the condition that they furnish proof of award of Ph.D. at the time of interview.

**For Position 02:** The prospective candidate is expected to have a strong background in Microbiology, Basic Molecular Biology Techniques, and Investigation of microbial activities especially for clinical samples. The candidate should be passionate about working on cutting-edge research that will lead to high-impact products and services. This position needs the candidate to be closely connected with the two collaborative institutes (AIIMS Rishikesh and IIT Roorkee) in the laboratories of Dr. Uttam Kumar Nath and Dr. Saugata Hazra. Other research activities may include discussions with overseas universities and research centres.

Minimum Qualification and Experience:

The prospective candidate should have the following specializations, i.e. at least three first-author SCI publications in the relevant fields, a solid academic background and a PhD degree in any of the areas of Microbiology, and need essential experience in another area.

Experience in Clinical/Environmental sampling (Hospitals/clinics/pollution sources); AMR bacteria screening, AST, MIC, and related studies; Biological Assays, Data Analysis, Data maintaining and paper drafting; Antibiotic residue analysis in samples; Analysis and interpretation of data; AMR modelling and Surveillance; sample

preparation for FE-SEM/TEM/Fluorescent microscopy are essential. Experience in Confocal Microscopy and experience working in a collaborative interdisciplinary group with clinical and non-clinical setups would be additional merit considering the current project's focus. Candidates who have recently submitted their doctoral thesis are also eligible to apply, subject to the condition that they furnish proof of award of Ph.D. at the time of interview.

**The last date for submission of the application is July 06, 2024.**

**Duration and Fellowship amount:**

The fellowship will be of two years, further extendable for two more years, based on performance. The candidate is expected to join the Department as soon as the offer letter has been released. The fellow will receive a consolidated fellowship as follows:

**The Amount of Fellowship is Rs. 56,000/- per month + HRA.**

How to Apply:

Candidates can apply with a cover letter, curriculum vitae, list of publications (with the most significant publications highlighted), research statement describing past research and plans for future research by both regular and e-mail, to:

Dr. Uttam Kumar Nath

Professor & Head, Department of Medical Oncology Haematology,

All India Institute of Medical Sciences (AIIMS), Rishikesh, Rishikesh 249203.

Email: [nath.uttam@gmail.com](mailto:nath.uttam@gmail.com), [uttam.monc@aiimsrishikesh.edu.in](mailto:uttam.monc@aiimsrishikesh.edu.in)

Terms and Conditions:

1. Method of recruitment will be Interview.
2. The Selected candidate will have to join within 7 days of declaration of results.
3. It is NOT a permanent employment with AIIMS Rishikesh.
4. The posts are purely on contract basis; the contract will be for a period of 2 years, extendable for two more years, if necessary for completion of project, whichever is earlier.

5. NO claim for any other regular post in AIIMS Rishikesh shall be entertained.
6. Incomplete applications or applications received after due date will not be considered.
7. No TA/ DA will be paid for the interview.
8. Experience should have been gained after acquiring minimum essential qualification.
9. Qualification, experience, other terms and conditions may be relaxed/altered at the discretion of Director AIIMS Rishikesh / Recruitment Committee.
10. No other allowance/ facilities other than consolidated salary shall be admissible.
11. Decision of Recruitment Committee will be final.
12. Submission of wrong or false information during the process of selection shall disqualify the candidature at any stage.
13. If performance of the appointee is not found satisfactory by the Principal Investigator/Nodal Officer appointment can be terminated at any time without any prior notice/compensation.
14. The appointee may be relieved from the current job position, by serving one-month prior notice, if the notice period is less than 1 month, amount equal to salary of 01 months will have to be deposited for relieving certificate.