



**Institute of Nuclear Medicine and Allied Sciences (INMAS)
(Defence Research and Development Organisation; DRDO)
Brig SK Mazumdar Marg, Timarpur, Delhi-110054**

Walk-in-Interviews for the Award of DRDO Research Associate (RA) (07 Posts) and Junior Research Fellowship (JRF) (11 Posts)

The Institute of Nuclear Medicine and Allied Sciences (INMAS), a specialized laboratory under the Defence Research and Development Organisation (DRDO), is dedicated to advancing the readiness, preparedness, and strategic resilience of the armed forces against radiological threats. The institute focuses on the development of radiation countermeasures with its mission of "Atom for Peace" and "Peace from Atom". INMAS plays a critical role in quickly estimating absorbed radiation doses for effective triage and advising first responders and Quick Response Teams (QRTs) on immediate remedial actions. It also provides tailored cbRNe training modules for military, paramilitary, elite forces, and national organizations handling security crisis. Furthermore, the institute explores the neural bases of cognitive and behavioural traits crucial to military performance, aiming to safeguard the health and wellbeing of soldiers and first responders in environments with ionizing radiation and other occupational hazards.

INMAS invites young and meritorious Indian nationals for walk-in-interview, who desire to pursue defence related research as Research Associate (RA) & Junior Research Fellow (JRF) in following subjects & research areas:

1. DRDO Research Associate (RA) (07 Posts):

SN	Post Code	Post & Vacancy	Research Area	Essential Qualification	Date of Interview
1.	RA-01	Research Associate – 01 Position	Development of Combinatorial Countermeasures and Next-Gen Biomarkers for Radiation Emergencies	PhD in Life Sciences/ Biotechnology/ Microbiology <u>Desirable Qualification:</u> Candidate with following research experience will be given preference: <ol style="list-style-type: none">1. Experience in Research and Development for Radiation Counter Measures and Radiation Emergency management2. Study of ionizing and non-ionizing radiation effects on living systems.3. Develop techniques for radiation protection and management of radiation emergencies.4. Biomarker development for radiation emergencies.	2 Dec 2024
2.	RA-02	Research Associate – 01 Position	Validation of identified markers for occupational blast induced Trauma.	PhD in Biochemistry/Molecular Biology with experience in LC-MS/ Lipidomics <u>Desirable Qualification:</u> Candidate with following research experience will be given preference: <ol style="list-style-type: none">1. Experience in LC-MS/ Lipidomics.2. Validation/identification of markers (lipid/ metabolite/ enzyme based), prostaglandins & brain specific cardiolipin.	2 Dec 2024

3.	RA-03	Research Associate – 01 Position	R&D on decontamination and medical management for Chemical, Biological, Radiological and Nuclear emergencies (CBRNe)	<p>PhD in Chemical Science/ Chemistry</p> <p><u>Desirable Qualification:</u> Candidate with following research experience will be given preference:</p> <ol style="list-style-type: none"> 1. CNRNe Medical & response management. 2. R&N protection, decontamination & decorporation. 3. CBRN decontamination & Biothreat mitigation research. 	4 Dec 2024
4.	RA-04	Research Associate – 01 Position	Advanced Research & strategies for the development of Tracers & Responsive materials	<p>PhD in Material Science/Chemistry</p> <p><u>Desirable Qualification:</u> Candidate with following research experience will be given preference:</p> <ol style="list-style-type: none"> 1. Experience in Synthesis and evaluation of nanoparticle/ nanoassembly based delivery agent for cbrain targeting. 2. Hybrid nano-peptides for neuro receptor targeting. 	4 Dec 2024
5.	RA-05	Research Associate – 01 Position	Hybrid materials for radionuclide decontamination & target delivery	<p>PhD in Chemistry/Life Sciences</p> <p><u>Desirable Qualification:</u> Candidate with following research experience will be given preference:</p> <ol style="list-style-type: none"> 1. Experience in synthesis & evaluation of various ligands/hybrid material for radionuclide decontamination & targeted delivery 	4 Dec 2024
6.	RA-06	Research Associate – 01 Position	Formulations for radiation combined injuries	<p>PhD in Pharmaceutics/ Pharmacology/Life Sciences</p> <p><u>Desirable Qualification:</u> Candidate with following research experience will be given preference:</p> <ol style="list-style-type: none"> 1. Experience in Screening, characterization, processes & development of formulations. 	6 Dec 2024
7.	RA-07	Research Associate – 01 Position	Neuro-cognition, Neuro metabolism, Neurocognitive Computational modelling	<p>PhD in Computer Science/ Computational neuroscience & machine learning</p> <p><u>Desirable Qualification:</u> Candidate with following research experience will be given preference:</p> <ol style="list-style-type: none"> 1. Experience in cognitive approaches, develop machine learning & AI algorithm for cognitive neuroscience. 	6 Dec 2024

2. DRDO Junior Research Fellowship (JRF) (11 Posts):

SN	Post Code	Post & Vacancy	Research Area	Essential Qualification	Date of Interview
1.	JRF-01	Junior Research Fellow: 01 Position	Imaging & regenerative medicine: Development & optimisation of Metal organic framework nanoparticles for medical application of imaging & delivery	First Class M.Sc. in Chemistry/ Nanotechnology with NET (JRF/LS) qualification from any approved National agency	9 Dec 2024
2.	JRF-02	Junior Research Fellow: 01 Position	Hybrid Nano-peptide for neuro-receptor targeting	First Class M.Sc. in Chemistry with NET (JRF/LS) qualification from any approved National agency	9 Dec 2024
3.	JRF-03	Junior Research Fellow: 01 Position	Molecular investigation & formulation development for decon compounds for radiological contamination	First Class M.Sc. in Chemistry/ Chemical Sciences with NET (JRF/LS) qualification from any approved National agency	9 Dec 2024
4.	JRF-04	Junior Research Fellow: 01 Position	Identification & Development of neuro-metabolic markers in extreme environment scenarios	First Class M.Sc. in Chemistry/ Computational Chemistry/ Chemical Sciences/ Life Science/ Biomedical Sciences with NET (JRF/LS) qualification from any approved National agency	9 Dec 2024
5.	JRF-05	Junior Research Fellow: 01 Position	Design & synthesis of biomaterials for development of bioengineering Cornea	First Class M.Sc. in Chemistry/ Biotechnology/ Material Sciences/ Biomedical Sciences with NET (JRF/LS) qualification from any approved National agency	9 Dec 2024
6.	JRF-06	Junior Research Fellow: 01 Position	Internal decorporation of radionuclide-development of formulations & therapeutic strategies	First Class M.Pharma. in Pharmaceutics/ Pharmacology with NET/GPAT (JRF/LS) qualification from any approved National agency	11 Dec 2024
7.	JRF-07	Junior Research Fellow: 01 Position	In-vitro bio-assays for internal radiological contamination in R&N emergencies	First Class M.Sc. with NET (JRF/LS) in Physics/Biophysics/ Radiological/ Medical/ Engineering Physics Or First Class B.Tech with valid GATE score in Biomedical Engineering / Radiological/ Medical/ Engineering Physics Or M.E./M.Tech in Biomedical Engineering / Radiological/ Medical/ Engineering Physics in First Class at Graduate and Post Graduate level (M.E./ M.Tech. is exempted from NET/GATE as per guidelines.)	11 Dec 2024

8.	JRF-08	Junior Research Fellow: 01 Position	Pre-Hospital care under combat scenario	First Class M.Sc. with NET (JRF/LS) in Life Science/ Biotechnology/ Biomedical Sciences Or First Class B.Tech with valid GATE score in Life Science/ Biotechnology/ Biomedical Sciences Or M.E./M.Tech in Life Science/ Biotechnology/ Biomedical Sciences in First Class at Graduate and Post Graduate level (M.E./ M.Tech. is exempted from NET/GATE as per guidelines.)	13 Dec 2024
9.	JRF-09	Junior Research Fellow: 01 Position	Combined Radiation Injury	First Class M.Sc. with NET (JRF/LS) in Life Science/ Biotechnology/ Biomedical Sciences Or First Class B.Tech with valid GATE score in Life Science/ Biotechnology/ Biomedical Sciences Or M.E./M.Tech in Life Science/ Biotechnology/ Biomedical Sciences in First Class at Graduate and Post Graduate level (M.E./ M.Tech. is exempted from NET/GATE as per guidelines.)	13 Dec 2024
10.	JRF-10	Junior Research Fellow: 02 Positions	Development of Combinatorial Countermeasures and Next-Gen Biomarkers for Radiation Emergencies	First Class M.Sc. with NET (JRF/LS) in Life Science/ Biotechnology/ Biomedical Sciences Or First Class B.Tech with valid GATE score in Life Science/ Biotechnology/ Biomedical Sciences Or M.E./M.Tech in Life Science/ Biotechnology/ Biomedical Sciences in First Class at Graduate and Post Graduate level (M.E./ M.Tech. is exempted from NET/GATE as per guidelines.)	13 Dec 2024

General Conditions:

1) For the Post Code RA-01 to RA-07:

- i. Age:** Maximum of 35 years for RA post as on the closing date of receipt of applications. 5 years' relaxation to SC/ST candidates, 3 years to OBC candidates, and other entitled categories as per govt. rules.
- ii. Emolument:** Rs.67000/- + HRA as per rules applicable in DRDO.
- iii. Tenure:** Tenure of RA would be limited to a maximum period of two years.
- iv.** Only those candidates who have been awarded Degree/Provisional Degree certificate are eligible to apply.

2) For the Post Code JRF-01 to JRF-10:

- i. Age:** Maximum of 28 years for JRF post as on the closing date of receipt of applications. 5 years' relaxation to SC/ST candidates, 3 years to OBC candidates, and other entitled categories as per govt. rules.

- ii. **Monthly Stipend:** Rs. 37000/- + HRA as per rules applicable in DRDO.
- iii. **Tenure:** Tenure of JRF would be limited to a maximum period of five years. Selected JRF would work initially for first two years as JRF and would subsequently be elevated as SRF for the remaining three years, subject to satisfactory performance, assessed annually as per DRDO guidelines.

General Instructions:

1. **How to Apply:** After ensuring all the eligibility conditions, Application form can be downloaded from the website www.drdo.gov.in.
2. The candidate should send scanned copy of duly filled signed application form along with supporting documents (educational qualification, matriculation certificate/birth certificate in support of date of birth, GATE/NET score card valid as on closing date of application, caste certificate, if applicable) to inmasacademiccell@gmail.com and sonia.inmas@gov.in.
3. Scanned file should be in a single PDF file [File name should be: SUBJECT CODE_YOUR NAME_DATE OF EMAIL].
4. Last date to send online application form by email is **27 Nov 2024**.
5. Shortlisted candidates will be communicated through email to appear for the interview.
6. Candidates should bring Application form along with **original certificates/ testimonials with complete bio-data** on the date of interview & submit self-attested photocopies of the same, failing which the candidate will not be allowed to appear for the interview.
7. Reporting time is 0800h-0930h on the date of Interview, at Main Gate Reception, INMAS, Timarpur, Delhi. Late comers will not be allowed.
8. Written Test may be conducted for RAs/JRFs from 0930-1030 hrs. (depending on the number of candidates appearing on the date of interview) and only those candidates who qualify in the written test shall be interviewed on the same day.
9. The shortlisted candidates will be interviewed on the date mentioned against the post.
10. The selected candidate(s) may be allowed to register for PhD with any recognized University/Institution during the tenure of fellowship.
11. Candidates presently employed in Government Departments/ PSU's/ Autonomous Bodies will be required **to produce NOC** at the time of interview.
12. **Please note:** Electronic items like smart/ mobile phones/pen drive/ laptop/ CD-ROM etc. are strictly not allowed inside INMAS Campus.
13. Antecedents of candidate will be verified again at the time of joining, if selected.
14. No TA/DA will be paid for attending interview or for joining, if selected.
15. Number of vacancies may change as per organizational requirement without any prior notice.
16. It may be noted that mere offer of fellowship does not confer on fellows any right of absorption in DRDO.
17. No candidate shall claim admission as a matter of right. The admission shall be entirely at the discretion of the Selection Committee of the Institute, which may refuse to admit any candidate without assigning any reason thereof.
18. Director INMAS reserves the right to scrap the whole selection process anytime, without any prior information and reason assigned therefor.
19. Applicants are advised to monitor DRDO website for any updates/changes.
20. **How to reach the venue of Interview:**
INMAS is located 1 km from Vishwavidyalaya Metro station, Delhi towards Timarpur area/ Opposite to University of Delhi (North Campus) & Nearest Landmark is SBI ATM SSPL Branch, Timarpur, Delhi-110054.

Note:- Candidates having their own fellowship from any government agencies like CSIR/UGC/DST-INSPIRE/DBT etc. & essential qualification will also be considered for Junior Research Fellowship position. However, these positions are apart from DRDO Fellowship.

Date:

**Head, Research Academic Cell
For Director
INMAS**