

Delhi Pharmaceutical Science and Research University

(Govt of NCT of Delhi)

Mehrauli-Badarpur Road, Pushp Vihar Sector-III New Delhi-110017, India

Advertisement for the Positions under DKDF

Applications are invited- from Indian Nationals for the following position under the project entitled "Establishment of Centre of Precision Medicine and Pharmacy" sanctioned by Directorate of Training & Technical Education. Appointment will be temporary/ contractual nature for the 11 months, which can be continued for maximum of 3 terms on the basis of the performance.

Name of Position	Research Associate-I
Number of Position	01
Emoluments	Rs. 50,000/- (Consolidated)
Educational Qualifications & Experience	Essential: Ph. D in Biotechnology /Molecular Biology/ Pharmacology/Clinical Research/Pharmacy Practice or equivalent <u>AND</u> 1 Year of research experience Desirable: As per Annexure -1
Upper age limit	40 years (relaxable for 5 years SC/ST/Physically Handicapped/Female)

Name of Position	Lab Technician
Number of Position	01
Emoluments	Rs. 35,000/- (Consolidated)
Educational Qualifications & Experience	Essential: Bachelor degree in Science /DMLT/D. Pharm or equivalent <u>AND TWO</u> years experience in the Hospital/Research Organization/Industry Or Post Graduate degree in Science/B.Pharm/B.Pharm (Ayurved) or equivalent Desirable: As per Annexure -1
Upper age limit	35 years (relaxable for 5 years SC/ST/Physically Handicapped/Female candidates).

Name of Position	Junior Research Fellow
Number of Position	01
Emoluments	Rs. 30,000/- (Consolidated)
Educational Qualifications & Experience	Essential: The candidate should have a first class Bachelor degree in Pharmacy (B. Pharm)/ B. Tech (Biotech) or equivalent <u>AND TWO</u> years'

	experience in the Hospital/Research Organization/Industry Or Post Graduate degree in Pharmacy/ Biotechnology/Pharm D Desirable: As per Annexure -1
Upper age limit	35 years (relaxable for 5 years SC/ST/Physically Handicapped/Female candidates).

General Instructions: Interested candidates are requested to send their applications strictly in the prescribed format appended below (Annexure –I) alongwith detailed CV & Covering Letter as hard copy addressing to The Registrar, Delhi Pharmaceutical Sciences and Research University (DPSRU), New Delhi-110 017. Please mention "Application for in DCPMP" in the subject line of the envelope.

Service conditions of project manpower:

1. Dearness Allowance (DA) & Child Care Allowance (CCA): Manpower in projects are not entitled to DA & CCA.
2. House Rent Allowance (HRA): HRA is allowed as per Central Government norms applicable in the city/location where they are working.
3. Medical Benefits: The project manpower will be entitled for medical benefits applicable as per DPSRU norms.
4. Leave and other entitlements: The project manpower is entitled to leave as per rules of DPSRU.
5. Bonus, Gratuity & Leave Travel Concession: The project manpower will not be entitled to these allowances.
6. Remuneration is taxable as per norms.
7. All manpower positions are purely temporary and co-terminus with the project.
8. Canvassing in any form will lead to disqualification.
9. The University reserves the right to cancel/modify the recruitment process or increase/decrease the number of positions at any stage without assigning any reason.
10. No TA/DA will be paid for attending the walk-in-interview.
11. Original certificates and self-attested copies of all certificates need to be presented before the interview/final selection for verification.

Annexure -1

1. Harnessing different chemical libraries like Zinc 15/20, Pubchem etc for virtual screening
2. Analysis of protein-ligand binding interactions using Molegro, Maestro etc
3. Utilizing *in-silico* tools like Swiss Target Prediction, Swiss ADME to find drug like molecules using Lipinski rule of 5 and further eliminating the toxic molecules from the developed library
4. Synthesis, purification and characterization of novel heterocyclic compounds
5. Preformulation studies: solubility studies, permeability assays, solution & solid stability, compatibility studies
6. Analytical method development & validation HPLC/LC-MS
7. Development & optimization of the conventional & novel formulations (using QbD/Gastroplus)
8. Physicochemical & biological characterization (ex vivo, in vivo) of formulations
9. In vitro studies and analysis of formulations: study of in vitro drug release mechanism (kinetics study)
10. Preformulation studies: solubility studies, permeability assays, solution & solid stability, compatibility studies
11. Sample Tracking & Data collection- clinical metadata entry, Tissue Quality Control, Blood/Fecal Sample Processing: *PBMC isolation* using Ficoll gradient, Data Coordination.
12. Transcriptomics and Proteomics Profiling : RNA extraction, Library preparation, RNA-Seq workflow, Sample QC, *Next-generation sequencing*: data visualization.

13. Proteomics (Metaproteomics / Tumor Proteome): Protein extraction, protein quantification, trypsin digestion, Sample prep for LC-MS/MS, GO term enrichment and pathway mapping (e.g., *DAVID*, *Metascape*), Maintain sample record, QC records, and experiment run sheets, document SOPs
14. In Vivo Animal Modeling, In Vitro Efficacy Assays, Pharmacokinetics (PK) : Dosing and Sampling, Plasma separation, LC-MS/MS-based assay, Pharmacodynamics-Biomarker Evaluation, Documentation: logbooks with ethics compliance.
15. R package for analysis of biological data, R for meta, PhVID for disproportionality analysis (frequency based and Bayesian methods), GRADE pro for GRADE analysis, Evidence Gap Map Analysis, Genome-wide association analysis with longitudinal phenotypes using fGWAS of R package. GROMAC for molecular simulation studies includes DCCM and PCA analysis, Network creation and analysis.

Annexure -II

DELHI PHARMACEUTICAL SCIENCES AND RESEARCH UNIVERSITY (DPSRU)

Pushp Vihar, Sector-III, M.B. Road, New Delhi-110017

APPLICATION FORM

(Under DKDF Project)

1. Post Applied For

☐ Junior Research fellow ☐ Research Associate-I ☐ Lab Technician

2. Personal Information

Full Name (in Block Letters)

Father's / Mother's Name

Date of Birth (DD/MM/YYYY)

Age (as on date of interview)

Gender

Nationality

Category (UR/OBC/SC/ST/EWS)

Marital Status

Aadhaar / PAN No.

Correspondence Address

Permanent Address

Mobile No.

Email ID

3. Educational Qualifications

4. Experience Details

Designation	Institution / Organization	Duration (From–To)	Total Period	Nature of Work / Key Responsibilities
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5. Publications / Research Output (if applicable)

S. No.	Title of Paper	Journal / Book	Year	DOI / ISSN
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6. Technical Skills / Areas of Expertise

☐ Virtual Screening & Molecular Docking (Zinc15, PubChem, Molegro, Maestro)

Synthetic chemistry

☐ In-silico ADME/Toxicity Prediction (SwissADME, SwissTarget)

☐ Analytical Techniques (HPLC / LC-MS / LC-MS-MS)

☐ Formulation Development (QbD, GastroPlus)

☐ Preformulation & Stability Studies

☐ Transcriptomics / Proteomics / Bioinformatics Tools

☐ Animal Handling & Pharmacokinetics

☐ R / PhVID / fGWAS / GROMACS / Data Analysis

☐ Others (please specify): _____

7. References

Name	Designation	Institution	Email / Contact No.
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8. Declaration

I hereby declare that all the information provided above is true and complete to the best of my knowledge and belief. I understand that any false information or suppression of facts will disqualify me from consideration or result in termination if appointed.

Date: _____ Place: _____

Signature of Applicant: _____

Instructions to Candidates

1. Bring this filled-in form along with one set of self-attested photocopies of certificates and testimonials.
2. Bring all original documents for verification.
3. Reporting time: 08:30 AM, 18th November 2025.
4. Venue: Auditorium, DPSRU Campus, Pushp Vihar, Sector-III, New Delhi-110017.
5. No TA/DA will be paid for attending the interview.