ICGEB - DBT PROJECT VACANCIES

Applications are invited from eligible candidates with prior experience in **Bioinformatics research** projects for the following vacancy under the **Translational Bioinformatics Group** at ICGEB, New Delhi.
Interested applicants may submit their applications online (submission URL is provided below).
Shortlisted candidates will be invited for an in-person interview at ICGEB. Please note that only the selected candidates will be informed individually. No TA/DA or accommodation will be provided to candidates attending the interview. Additionally, the selected candidates will not be offered hostel accommodation at ICGEB and will need to make their own arrangements.

No.	Vacancy position	
1.	Sr. Project Scientist	2
2.	System Analyst (Young Professional)	1
3.	Senior Research Fellow (SRF)	1
4.	Junior Scientific Administrative Assistant	1

Minimum Educational Qualification and experience:

1. **Position # 1:**

Ph.D. with first class or equivalent at the preceding degree in the appropriate discipline, OR M. Tech 1st class or equivalent with 6 years' experience.

a. Experience:
Experience in managing, administering, and reporting on research projects. The candidates will be responsible for the day-to-day activities. Applicants must have good writing and verbal communication skills. Experience in computational techniques such as molecular modeling, molecular docking, molecular dynamics simulation, and AI/ML in drug discovery. Experience in Web server development. Experience in using open-source drug discovery tools like Autodock/RDKit.

Consolidated Salary: 77152/- pm (inclusive of HRA)

b. Experience:
The candidates will be responsible for the day-to-day research activities. The candidate must have good writing and verbal communication skills. Proven experience in one or more -Omics data analysis (Single and bulk) [RNA-seq, ATAC-seq, ChIP-seq, Spatial omics, Proteomics, Metabolomics, Genomics, Imaging/Clinical data]. Strong proficiency in Python and R/MATLAB, with hands-on experience in applying machine learning and deep learning techniques to biological data. Demonstrated expertise in biological data mining, pre-processing, and preparation for downstream analyses.

Consolidated Salary: 77152/- pm (inclusive of HRA)

2. **Position # 2 :**

Postgraduate degree in Computer Science / Information Technology / Data Science or a related discipline.

Experience:

Minimum 3+ years of relevant professional experience in software development, system analysis, data handling, or related IT roles.

Coding Skills: Strong proficiency in programming and scripting for automation and data processing.

Data Handling & Automation:

Hands-on experience in handling large datasets, workflow automation, and shell scripting (Bash/Linux environment).

Programming Languages & Databases:

- Working knowledge of Python and PHP is preferred.
- Experience with MySQL / relational databases, including database design, query optimization, indexing, and data integration.
- Ability to design and manage backend databases for web applications and data analytics platforms.

Bioinformatics Pipeline Development:
- Experience in developing, maintaining, or supporting command-line (CLI) based pipelines.
- Familiarity with pipeline concepts such as data preprocessing, validation, execution, logging, and result generation.
- Ability to integrate third-party tools, scripts, and databases into automated workflows.

Web Technologies & Visualization: Experience working with HTML, CSS, and JavaScript libraries for data visualization (e.g., charts, dashboards, interactive interfaces).

Content Management Systems (CMS) – WordPress

- Strong experience with WordPress development and customization.
- Ability to develop and maintain project portals, data submission forms, and information dashboards using WordPress.
- Experience with custom themes, plugins and shortcodes.
- Integrating WordPress with PHP scripts and external tools/pipelines.
- Managing user roles, access control, security, backups, and performance optimization.

Responsibilities

As a **System Analyst**, the selected candidate will be responsible for:

- Collaborating with researchers and technical teams to understand, document, and translate system requirements into technical solutions.
- Designing, developing, and maintaining software tools and pipelines for data processing and analysis.
- Working with large datasets to extract, transform, and load (ETL) data for analysis and reporting.
- Automating workflows using shell scripting.
- Developing interactive dashboards and visualizations using PHP and JavaScript-based libraries.

Consolidated Salary: 66,319 pm **(inclusive of HRA)**

3. **Position # 3:**

Post Graduate Degree in Basic Science OR Graduate / Post Graduate Degree in   Professional Course selected through a process described through any one of the following:

◆   Scholars who are selected through National Eligibility Tests - CSIR-UGC NET, including lectureship (Assistant Professorship) and GATE, with 2 years of research experience.

Essential experience:
Proven experience of working in Bioinformatics projects, preferably with the use of AI in the classification of biological datasets, knowledge of Python, experience of working in Linux OS and databases, coding in Python/JAVA, and contemporary web technologies.

Essential Qualifications:

Strong proficiency in Python, with hands-on experience in applying machine learning and deep learning techniques to biological data. Demonstrated expertise in biological data mining, preprocessing, and preparation for downstream analyses.

Desirable Qualifications:
Experience and working knowledge of deep learning frameworks, including convolutional neural networks (CNNs), graph neural networks (GNNs), transformer-based models, and multimodal learning frameworks for integrating heterogeneous data sources (e.g., genomics, transcriptomics, imaging, and clinical data), with demonstrated applications in biological or biomedical research.

Consolidated Salary:52080/- pm (inclusive of HRA)

4. **Position # 4**:

The applicant should have a Diploma with 3 3-year duration or a 12th Passed. Preference will be given to candidates with an IT background/experience.

Essential requirements:
- Installation and Management of various Operating systems, including Linux, Ubuntu, Windows, and Mac.
- Backup and Restore Data and OS
- Administrations in Linux, Ubuntu, and MAC OS are a must.
- Knowledge of Computer Hardware and Software, system Assemble and disassemble.
- Maintaining and preparing the Hardware and Software inventory of computers.
- Must have experience with Workstation computers.
- Must have experience with IBM HPC Clusters, RAID, and Database backup.
- Hands-on experience with Printers, printer driver Installation on Linux, and troubleshooting.

Consolidated Salary: 22860/- pm (including HRA).

Interested candidates can apply here: https://apexbtic.icgeb.res.in/btisnet/adv-ps-spa/ by 22nd February, 2026.

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