

Applications are invited for the following positions in a time-bound sponsored project titled “**An Indian initiative on setting up a high fidelity structural data archival/retrieval system for Life Sciences – (PDBi)**” under the National Supercomputing Mission Platform for Genomics and Drug Discovery”. Project is jointly operated at the Indian Institute of Science, Bangalore and National Inst of Immunology, New Delhi and candidates may have to work at either of these sites. (Project Duration: October 2019 to October 2022).

Sl No	Position description	Essential Qualifications	Job description	Project Investigator/s e-mail id
1	<b>Research Associate/s</b>	Ph.D. (Bioinformatics/ Biophysics/ Biotechnology or any other stream of biological/physical sciences) with a minimum of <b>two publications</b> in reputed peer reviewed journals in the area of structural bioinformatics or biophysics or biomolecular modeling/simulation.	Development of bioinformatics tools and algorithms/software for structure based analysis of biomolecular systems.  Programmatic access to major biomolecular databases using APIs  Knowledge based prediction and analysis of biomolecular structure, function and interactions.  Docking/simulations for inhibitor design.	<a href="mailto:pdbindia19@gmail.com">pdbindia19@gmail.com</a>

**Desirable Qualifications (Research Associate/s):**

- Strong computer programming skills (in Python/PERL/PHP or C++ or object oriented database management systems like MySQL etc or scripting languages under LINUX/UNIX environment)
- Extensive experience in computational analysis of biomolecular structure/interactions and usage of advanced biomolecular simulation softwares.
- Adequate knowledge of major databases, webservers and softwares in the area of biomolecular structure/function and drug design.
- Familiarity with Parallel Programming environments and experience in usage of high-end HPC clusters.

**The candidates must highlight their experience in above mentioned fields/topics in their CV.**

**Initial appointment will be for a period of 1 year, subject to extension after review of performance.**

**EMOLUMENTS:****As per DST, GOI norms and Commensurate with experience.**

	<b>Position Description</b>	<b>Essential Qualifications</b>	<b>Job Description</b>	<b>e-mail id</b>
	<b>Project Scientist/s</b>	PhD with three (03) years of experience or M.Tech. (CS/IT/E&C/Bioinformatics/ Computational Biology/Data Science) with six (06) years of experience in academics/industry in design/implementation of modern database technologies, HPC and parallel computing, cloud computing etc OR Experience in structural bioinformatics/biophysics with a strong background in software development.	Work in close coordination with domain experts for database design, application/portal development, and development of APIs etc. for various biological databases to be developed for PDB-India. Design metadata, database schema and portal for data submission.	<a href="mailto:pdbindia19@gmail.com">pdbindia19@gmail.com</a>

**Desirable Qualifications (Project Scientist/s):**

- Strong computer programming skills (in Python/PERL/PHP or C++ or object oriented database management systems like MySQL etc or scripting languages under LINUX/UNIX environment)
- Extensive experience in computational analysis of biomolecular structure/interactions and usage of advanced biomolecular simulation softwares.
- Adequate knowledge of major databases, webservers and softwares in the area of biomolecular structure/function and drug design
- Familiarity with Parallel Programming environments and experience in usage of advanced HPC clusters

**The candidates must highlight their experience in above mentioned fields/topics in their CV.**

**Initial appointment will be for a period of 1 year, subject to extension after review of performance.**

**EMOLUMENTS:****As per DST, GOI norms and commensurate with experience.**

**Applications with CV should be submitted by e-mail ([pdbindia19@gmail.com](mailto:pdbindia19@gmail.com)) before 30<sup>th</sup> June 2020.**