

**CSIR-NATIONAL CHEMICAL LABORATORY
PUNE - 411008**

No: 2022/CSIR-NCL/BIOCHEM-ENG/GAP329726/15

Date: 18/01/2022

Division: BIOCHEMICAL ENGINEERING(BIOCHEM-ENG)

NOTICE

Subject: Metabolic Engineering Strategies For Production Of High Value Indolocarbozole Drug Molecules

Applications are invited online for filling up of position on a purely temporary basis, in the prescribed proforma. The details of the Sponsored Project under which engagement is proposed to be made is as under.

Title of Project: Metabolic Engineering Strategies For Production Of High Value Indolocarbozole Drug Molecules

Name of Sponsoring Agency:

Project Code	GAP329726
Post Name	Principal Project Associate
No. of Position:	1
Minimum prescribed educational Qualifications	Master's Degree in Natural or Agricultural Sciences/MVSc or bachelor's degree in Engineering or Technology or Medicine from a recognized University or equivalent; and (ii) Eight(8) years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services; OR ME /M.Tech in Engineering or Technology from a recognized University or equivalent with Six(6) years' experience in R&D in industrial and Academic Institutions or S&T Organizations and Scientific activities and services; OR i) Doctoral Degree in Science/Engineering/Technology/Pharma/MD/MS from a recognized University or equivalent; and (ii) Four(4) years' experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services

Desirable experience, if any	<p>Prior hands-on experience in working either with</p> <ul style="list-style-type: none"> (i) Python, Perl and/or other programming languages (ii) Bioinformatics fundamentals (iii) Genome scale metabolic model reconstruction and analysis (iv) Pathogen model analysis (v) Techniques- Constraint based Flux balance analysis, Flux variability analysis, pathway analysis, elementary mode analysis (vi) Integration of constraints from OMICS data into metabolic models (vii) Familiarity with Biological Databases (viii) Softwares - ScrumPy , CobraPy (ix) Host-Pathogen interaction Metabolism (x) Natural language processing methods for data and text mining (xi) Data analysis packages in R (xii) Analytical and logical thinking (xiii) Good Communication, Collaborative, Teamwork, Flexibility, Patience (xiv) Willingness to learn, grow and adapt (ix) Prior publication record in this research area (x) Excellent written and verbal communication required with exceptional organizational skills (xii) Resident of Pune or willingness to relocate immediately to Pune
Age Limit	40
Job requirement	<ul style="list-style-type: none"> (i) Metabolic network reconstruction of host organisms and indolocarbazole pathways for metabolic engineering (ii) Implementation of ScrumPy and CobraPy (iii) Constraints based modelling and flux balance analysis (iv) Pathway analysis (v) Data integration into metabolic models (vi) Report and article Writing
Consolidated emoluments per month	(i) 49,000/- + HRA

The engagement will be initially for a period of six months which may be extended or curtailed depending on the duration of the tenure of sponsored project / satisfactory performance or conduct of the appointee, as the case may be. The engagement will be purely on temporary basis and shall not be CSIR/NCL appointment, temporary or otherwise and shall not entitle the appointee to any right/claim whatsoever, implicit or explicit, for his/her consideration against any CSIR-NCL post/fellowship.

How to Apply:

1. Eligible candidates are required to apply ONLINE only through our website.
2. Link to apply : <http://jobs.ncl.res.in>
3. Details can be read from section Jobs Vacancies: <https://www.ncl-india.org>
4. Candidate should have a valid email before applying online.
5. Scanned photo/signature in JPG/JPEG format only.
6. Candidate's Photograph File size must be less than **50 kb**.
7. Candidate's Signature File size must be less than **25 kb**.
8. Readable scanned copies of Mark sheet(SSC, HSC, Graduation, Master, PhD,etc)
9. **Keep ready pdf file of all testimonials.**
10. Read all instructions title '**How To Apply**' available at website.

The application should be filled online before **26/01/2022**. Late applications will not be considered.

The prescribed educational qualifications are a bare minimum and merely possessing of same will not entitle candidates to be called for interview. Where number of applications received in response to this Notice of engagement is large, it may not be convenient or possible to interview all the candidates. Based on the recommendation of the Screening Committee, the Project Leader may restrict the number of candidates to be called for interview to reasonable limits after taking into consideration qualifications and experience over and above the minimum qualifications prescribed in the Notice. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field on date of advertise.

The candidates recommended by the Screening Committee to be called for interview would be notified on the website as well as divisional Notice Board on **28/01/2022** or the candidates may ascertain the information by contacting Anu Raghunathan email id: anu.raghunathan@ncl.res.in contact No: **02025903067**

Shortlisted candidates will be required to appear before the Selection Committee for an online interview. For online interview URL link will be provided to shortlisted candidate later via email on or before **28/01/2022**.

Interview will be conducted on **31/01/2022** from **09:30 AM** onwards online through a suitable medium such as Microsoft Teams, Google Meet, Cisco WebEx etc.

No interview call letter will be issued separately.

No TA/DA will be admissible for appearing for the interview. Selected candidates will have to join duty immediately on receipt of the offer of engagement.

Anu Raghunathan
Project Leader (Name & Signature)

Notice Boards