

राष्ट्रीय कोशिका विज्ञान केंद्र, पुणे
NATIONAL CENTRE FOR CELL SCIENCE, PUNE

(जैवप्रौद्योगिकी विभाग, भारत सरकार की स्वायत्त संस्था)

(An autonomous Institution of the Department of Biotechnology, Government of India)
एनसीसीएस कॉम्प्लेक्स, सावित्रीबाई फुले पुणे विश्वविद्यालय परिसर, गणेशखिंड, पुणे-411007, महाराष्ट्र, भारत
NCCS Complex, Pune University Campus, Ganeshkhind, Pune - 411007, Maharashtra, India

विज्ञापन सं- एनसीसीएस/परियोजना प्रबंधन सेल/पी03/2019
Advt. No. NCCS/Project Management Cell/P03/2019

The National Centre for Cell Science (NCCS) is an autonomous institution of Department of Biotechnology, Ministry of Science & Technology, Government of India, with a mandate of basic research, teaching & training, and as a national repository for cell lines/hybridomas etc. The center is located in the midst of academically enriched environment of University of Pune Campus, Pune. NCCS invites applications for following posts purely on temporary basis on its "Manav – Human Atlas Initiative" project.

Principal Investigator: Dr. Gopal C. Kundu
Project Tenure – 2 year 10 months

Serial No	01
Name of the Position	Manager -Scientific Data Quality Assurance and Validation
Number of Posts	(एक पद) (One Post)
Upper Age limit	50 Years
Total Monthly Emoluments	Rs. 1,50,000-(Fixed)

अनिवार्य /Essential Qualification & Experience: 1st Class MTech/MD/MVSc/MPharm/MBiotech or Ph.D in Life Sciences/Biological Sciences with original work as evidenced by patents or publications.

वांछनीय // Desirable:

Evidence of leadership with about 10 years' experience in R & D. The person should have excellent understanding of Science in general and Life sciences in particular and should preferably come with strong managerial experience.

Job Profile:

- The individual along with PI, they would represent the institution in meetings and negotiations, to finalise memorandum of agreements/understanding with schools, colleges, external vendors etc., and to ensure efficient team work.
- They would work closely with the Senior domain experts and domain experts in ensuring the selection of right articles required for data annotation and meeting the rigorous standards of data quality and validity.
- The person will be involved while validating the annotation platform developed by technical and data management team right from the beginning and would also closely work with the Science communication and outreach team to ensure the right selection of colleges and students.
- They would be responsible for setting up the standards for data quality, trouble shooting and ensuring the validity of the data generated.

- Along with the PI, they will also be responsible for working towards active collaborations between organizations, college heads, academic institutions to facilitate the smooth operation and implementation of the outreach goals of this project.

Serial No	02
Name of the Position	Senior Domain Expert
Number of Posts	(दो पद) , (Two Posts)
Upper Age limit	45 Years
Total Monthly Emoluments	Rs. 1,00,000-(Fixed)

अनिवार्य /Essential Qualification & Experience: 1st Class MTech/MD/MVSc/MPharm/MBiotech or Ph.D in Life Sciences/Biological Sciences with original work as evidenced by patents or publications.

वांछनीय // Desirable:

Evidence of leadership with about 8 years' experience in R & D. He/She would have desirable experience in the field of Bioinformatics/Systems Biology/Structural Biology/Computational Biology/Genetics /Epigenetics/ Neurobiology. He/She is expected to have expertise in integrative analysis and predictive modeling. He/She should have experience with data analysis and data visualization using tools such as Tableau, Power BI, Qlik, D3, Python and R.

Job Profile:

- They will also set timelines and milestones for the progress of the project at each level.
- He/She will be responsible for devising formalism for integrating, storing and representing the huge amount and variety of data annotated during the project, and identifying ways in which these data be used for deriving insights in collaboration with other senior domain experts from human physiology, pathology and healthcare.
- He/She will work closely with other research scientists and contribute in designing the framework for effective capturing of data from literature and databases, in a structured manner. They will also design training content for students, identify suitable modes of annotation, storage, retrieval and visualization of data and end results.
- Key responsibilities are to acquire and compile data from primary or secondary data sources and maintain databases/data systems, devising, customizing and applying models and algorithms to integrate the big data using latest technologies, develop and implement databases, data collection systems, data analytics and other strategies that optimize statistical efficiency and quality, analyzing the data to identify and interpret patterns and trends in the scientific data sets.
- He/She will be involved in requirement gathering and deliver appropriate standard, and analytic reporting solutions to support the decision-making needs of the Manav platform.
- He/She will help in devising an automated monitoring system of literature distribution and accumulation. The job also expects them to have ability to demonstrate complex information from large data set across multiple sources and translate them into meaningful visualizations. They will be responsible for making large complex data more accessible, understandable and usable and building automatic solutions which can replace manual reports with automatic dashboards using visual best practices.
- They will analyze and visualize large sets of scientific data and translate findings in a visually appealing manner and translate them into value added decisions and actions so that team can make better data driven decisions.
- Additionally, his/her responsibility will be guiding the team for high quality exhaustive visualization dashboards with all charts and exploration to know all the activities and user performance and track all the major actions, deadlines and reminders to all users.

- They will work closely with other computer data scientists to provide requirements to improve data analytics, performance and usability.
- He/ She will be in charge of bringing together information keeping the cell/ molecular biology and physiology perspective to bear on the design of the annotation tool as well as work with other senior domain experts to establish a rigorous modality for the selection of papers and the evaluation of the annotated literature.
- This person will also contribute to helping design how the annotated information will be brought together to generate eventual data networks and how this data is also visualized.
- They will also be involved in using these data networks to identify areas of relevance in understanding cellular behavior and crosstalk.
- This person will hence be responsible for determining strategy for this area and integrating the same with other areas represented.

Serial No	03
Name of the Position	Domain Expert
Number of Posts	(तीन पद), (Three Posts)
Upper Age limit	35 Years
Total Monthly Emoluments	Rs. 75,000-(Fixed)

अनिवार्य /Essential Qualification & Experience: 1st Class MTech/MD/MVSc/MPharm/MBiotech with 3 years' experience in relevant field or Ph.D in Life Sciences/Biological Sciences with about 1 year of research experience in relevant field.

वांछनीय // Desirable:

He/She would have desirable experience working in the area of Bioinformatics/Programmer/Biochemistry/Structural Biology/Biophysics/Genetics/Epigenetics/Neurobiology. Should have good experience in tools/programmes like Perl, Python, R and Linux.

Job Profile:

- They will be responsible for developing domain intensive programs required at the interface of domain and software platform and coordinate with domain analysts and ensure their timely task delivery.
- They along with senior domain experts will also work with the communication and outreach team to provide input on the design of teaching modules that will eventually be used to communicate this platform to teachers and students.
- They will also contribute to these teaching workshops as needed and they will help assimilate the necessary information for the design of the annotation tool and contribute to these teaching workshops as needed.
- They will work to create the rigorous modality needed for selection of papers and evaluation of the annotated literature and will contribute to selecting papers that will be used for annotation.
- They are expected to interface with the annotation and software development team to ensure smooth integration of the scientific and data requirements of the project.
- They will also be required to train and coordinate the work of domain analysts to ensure that quality and performance are both maintained in selection and annotation of papers.
- They will also work with the communication and outreach team to comment on the design of teaching modules that will eventually be used to communicate this platform to teachers and students. They will share the requirements and suggest enhancements if any to the Manav platform development team to ensure that the quality requirements of the scientific team are met.

- In particular, he/she will be responsible for implementing the formalism for integrative analysis and predictive modelling by various existing tools as well as to work towards developing in-house programs for achieving this goal. Moreover, he/she will communicate with other domain expert teams and computer data scientist teams to work collaboratively.

Serial No	07
Name of the Position	Domain Analyst
Number of Posts	(सात पद) , (Seven Posts)
Upper Age limit	35 Years
Total Monthly Emoluments	Rs. 50,000-(Fixed)

अनिवार्य /Essential Qualification & Experience: MVSc/M.Pharm/ME/M.Tech with 3 years of research, teaching and design and development experience after securing one of the Post graduate degrees mentioned in essential qualifications with at least one research paper in Science Citation Indexed (SCI) journal OR Ph.D in Life Sciences or Biological Sciences/MD/MS/MDS with 0-1 year research experience in relevant field.

वांछनीय // Desirable:

He/She would have desirable experience working in the area of Bioinformatics/Programmer/Biochemistry/Structural Biology/Biophysics/Genetics/Epigenetics/Neurobiology. Should have good experience in Perl, Python, R and Linux.

Job Profile:


They along with domain experts will work in a team under the supervision of senior domain experts. They will be writing domain intensive scripts/programs for integrative analysis and predictive modelling of annotated data from literature. They will also be involved in testing Manav platform and communicate the defects and enhancements to the domain experts and software development team. They are required to interact with and learn from the Domain expert how the selection of papers will be done and what kind of readout the annotation tools will be making. They will work to contribute papers to the selection process and also test the quality of annotation to ensure the grading systems put in place are working correctly. Ultimately, they will also contribute towards scanning through available biomedical literature, identify suitable papers, categorize them, assign to suitable participating student and faculty teams, review the submitted annotations and assist in final sign off to maintain the quality of the data annotated and integrated in this project. They will also take questions from end users and in consultation with the domain expert address the same.

Important Guidelines & Instructions

- Applications in the prescribed format duly filled in along with attested copies of all relevant certificates showing date of birth, educational qualifications, work experience, details of the exam passed (Secondary School Certificate onwards), caste certificate, if any and other relevant documents should reach "The Director, National Centre For Cell Science (NCCS), S. P. Pune University Campus, Post: Ganeshkhind, Pune - 411 007, Maharashtra, India on or before **28.05.2019**.
- List of shortlisted candidates called for interview, date and time of interview & other relevant information will be published only on our institute website on or before **05.06.2019**.
- **The interviews are scheduled in the last week of June, 2019**
- **Applications received after the due date/due to postal delay and/or without the copies of the required certificates/documents will not be considered. Applications which are incomplete and/or not in the prescribed format will be strictly rejected.**
- The Director, NCCS reserves the right to cancel the recruitment process, if required, due to unforeseen circumstances.
- Additional percentage and experience cut-off will be applied during the screening process, if required.
- SC/ST/OBC candidates must produce proof of their caste certificate from appropriate authority. In addition, OBC candidates must also produce latest/valid non-creamy layer certificate in the prescribed form for claiming the reservation benefits.
- The prescribed educational qualifications and experience are the bare minimum and mere possession of same does not entitle candidates to be called for interview. The Centre reserves the right to call for interview only those candidates who in its opinion are likely to be suitable.
Where number of applications received in response to this advertisement is large, it will not be convenient or possible to interview all the candidates. Based on the recommendations of screening committee, the project investigator may restrict the number of candidates to be called for the interview to a reasonable limit after taking into consideration of qualifications and experience over and above the minimum prescribed in the advertisement. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field at the time of applying. No interim enquiries/correspondence/communication of any sort will be entertained on this matter.
- 5% Marks relaxation will be given to SC/ST/OBC candidates i.e. minimum of 50 % marks.
- The above advertised positions are filled up purely on temporary basis for the limited time period. The position will automatically co-terminus on the completion of the project tenure. The appointed person shall have no claim of appointment/absorption in funding agency or in NCCS, Pune.
- Age & Experience will be relaxed in exceptional cases by the Competent Authority.
- Fellowship/Emoluments for the advertised project positions engaged under project will be made in accordance with the project sanctioned orders issued by funding agency.
- Age limit will be considered as on closing date of receipt of application. Age relaxation of 5 years in case of SC/ST/PH candidates and 3 years in case of OBC candidates will be given as per Government of India rules. Reservation as per Govt. of India norms will be followed.
- No TA/DA will be admissible for attending the interview.
- Canvassing in any form and/or bringing in any influence will be treated as disqualification for the post.
- The posts advertised shall be need based without any commitment for its filling.
- Selected candidates will have to join duty immediately on receipt of the offer of appointment.
 - **Please bring all the original certificates showing date of birth, qualification, statement of marks of the exam passed, degree certificates, certificate of past experience, certificate in support of present employment, salary certificate & other relevant documents along with a set of attested copies at the time of interview.**
 - Lower positions will be offered, if candidates are not found suitable for the above advertised positions, meeting the essential qualification.

विज्ञापन सं- शैक्षिक/परियोजना/P03/2019

प्रकाशन की तारीख 08.05.2019


निदेशक, एनसीसीएस, पुणे

राष्ट्रीय कोशिका विज्ञान केन्द्र, पुणे
NATIONAL CENTRE FOR CELL SCIENCE, PUNE

(जैवप्रौद्योगिकी विभाग, भारत सरकार की स्वायत्तशासी संस्था)
An autonomous Institution of the Department of Biotechnology, Government of India
एनसीसीएस कॉम्प्लेक्स/NCCS Complex, एस. पी. पुणे विश्वविद्यालय परिसर/ S.P Pune University Campus,
गणेशखिंड/Ganeshkhind, पुणे/ Pune - 411007, महाराष्ट्र/ Maharashtra, भारत/India.

प्रारूप/ FORMAT 1

प्रबंधक, वरिष्ठ डोमेन विशेषज्ञ, डोमेन विशेषज्ञ, डोमेन विश्लेषक
के लिए आवेदन

Application for the post of Manager, Senior Domain Expert, Domain Expert, Domain Analyst .

सारी जानकारीयुक्त ब्यौरे केवल ब्लॉक अक्षरों में भरें/ All details should be filled up in block letters only.

01)	नाम/ Name (उपनाम पहले/ SURNAME-FIRST NAME)		नवीनतम पासपोर्ट साइज़ फोटोग्राफ चिपकाएं/Affix latest passport size photograph
02)	पिता/ पति या पत्नी का नाम/ Name of Father/Spouse		
03)	विज्ञापन सं./Advt. No., जिस पद के लिए आवेदन किया है एवं उसकी संख्या/ Applied Post & Post Sr. No.		
04)	जन्मतिथि/ Date of Birth		
05)	आवेदन प्राप्त के अंतिम दिनांक पर आयु/ Age as on closing date of application (YY. MM. DD)		
06)	I) शहर पिन कोड सं, शहर/गाँव, जिला, राज्य एवं राष्ट्र सहित स्थायी पता/ Permanent Address along with City Pin Code No., City/Village, District, State & Country.		
06)	II) शहर पिन कोड सं, शहर/गाँव, जिला, राज्य एवं राष्ट्र सहित पत्राचार का पता/ Correspondence Address along with City Pin Code No., City/Village, District, State & Country.		
06)	III) *वैध ईमेल/ Valid E-Mail Address: *वैध टेलिफोन/ मोबाइल नंबर/ Valid Telephone/Mobile Number(s):		

* कृपया सुनिश्चित करें कि ई-मेल आईडी मोबाइल नंबर सही और सुपाठ्य है / Please make sure that the E-mail ID & mobile number is correct and legible. उम्मीदवारों को कम से कम एक वर्ष के लिए अपना मोबाइल नंबर और ई-मेल आईडी सक्रिय रखने की सलाह दी जाती है/ Candidates are advised to keep their mobile no and E-mail ID active at least for one year.

12. अनुभव/ Experience: (वर्तमान / तत्काल अंतिम नियोक्ता से शुरू/ Starting from the present/immediate last employer)

संगठन का नाम/Name of the organization, कौनसे पद पर नियुक्त थे/ Post Held और/& रिपोर्टिंग मार्गदर्शक/ reporting guide/ प्रमुख/ head/ प्रभारी अधिकारी/ in- charge officer	अवधि/ Period		वेतनमान/Scale of Pay और/& कुल परिलब्धियाँ/ Gross Emoluments	नौकरी की प्रकृति/ Nature of Job	छोड़ने का कारण/ Reasons for Leaving
	से/From	तक/To			

कुल अनुसंधान अनुभव/ TOTAL RESEARCH EXPERIENCE: __ वर्ष/ Year(s) __ महीने/Month(s)

टिप्पणी/Note: प्रमाण पत्र के बिना अनुभव पर विचार नहीं किया जाएगा/ Experience without certificate shall not be considered.

13. पीएच.डी प्रबंध का शीर्षक (यदि है तो)/ Title of the Ph. D. thesis (if any):

14. संपूर्ण संदर्भ के साथ अनुसंधान प्रकाशन (यदि है तो)/ Research Publications with full references (if any):

15. पद प्राथमिकताएँ में प्रस्तुत करता/करती हूँ/I am herewith submitting my post preferences

(निम्न सारणी में पद का नाम एवं सिरीयल नंबर लिखें/

Write serial number and name of the post in the below table.)

जो लागू नहीं हैं उसे काँट दें/ Strick out whichever is not applicable

पद/Posts	पद अनु क्र/ Post Sr. No.	पद अनु क्र/ Post Sr. No.	पद अनु क्र/ Post Sr. No.	पद अनु क्र/ Post Sr. No.
	पहली प्राथमिकता/ 1 st Preference	दूसरा अधिमान/ 2 nd Preference	तीसरा अधिमान/ 3 rd Preference	चौथा अधिमान/ 4 th Preference
Manager / प्रबंधक				
Senior Domain Expert / वरिष्ठ डोमेन विशेषज्ञ				
Domain Expert / डोमेन विशेषज्ञ				
Domain Analyst / डोमेन विश्लेषक				

घोषणा/ DECLARATION

मैं एतदद्वारा घोषणा करता/करती हूँ कि विज्ञापन में दर्ज किए हुए अनुदेश एवं मार्गदर्शन सूचनाओं के मैंने सावधानी से पढ़ा है/ I hereby declare that I have carefully read the instructions and guidelines mentioned in the advertisement. मेरे ज्ञान और विश्वास के अनुसार मेरे द्वारा दी गई सभी जानकारी /आंकड़ें सही हैं, आवेदन में अगर कोई सूचना / डेटा गलत पाया जाता है या अपूर्ण आवेदन फॉर्म पाया जाता है तब, मेरी उम्मीदवारी अस्वीकृति के लिए उत्तरदायी है। To the best of my knowledge and belief all the information/data provided by me are true and correct, if any information/data found incorrect in the application or furnishing of incomplete application form. Then, my candidature is liable for rejection.

दिनांक/ Date: -

(आवेदक का नाम एवं हस्ताक्षर/

Name & signature of the applicant)