



# भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

(An autonomous Institution of Ministry of HRD, Govt. of India)

Dr. Homi Bhabha Road, Pune - 411 008

**ADVT. NO.: 33/2019**

**(APPLY ON OR BEFORE SATURDAY, JUNE 08, 2019)**

**[Positions under Funded Project purely on Temporary and Contractual Basis]**

Indian Institute of Science Education and Research Pune is a premier autonomous Institution established by the Ministry of Human Resource Development, Government of India, for promotion of high quality science education and research in the country.

Institute invites applications from Indian nationals for the following positions on contract basis:

<b>Post Code - 1</b>	<b>Senior Domain Expert</b> (Molecular Biology / Cell Biology / Physiology/ Clinical Sciences / Pharmaceutical Sciences / Life Sciences)
Number of post	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding Agency	Department of Biotechnology (DBT)
<b>Project Code</b>	<b>30818410</b>
Minimum educational Qualifications	Ph.D. in Molecular Biology/Cell Biology/Physiology/ Clinical Sciences / Pharmaceutical Sciences / Life Sciences OR MD in Medicine
Preference	Candidates having minimum 4 years of Post-Doctoral research experience, having good communication skills and experience in systems biology and / or data network building will be preferred.
Job requirement	The incumbent will be in charge of bringing together information keeping the cell / molecular biology / physiology / clinical biology / pharmaceutical sciences 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. You 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. You will also be involved in using these data networks to identify areas of relevance in understanding cellular behaviour and crosstalk. You person will hence be responsible for determining strategy for this area and integrating the same with other areas represented. You will also set timelines and milestones for the progress of the project at each level.
Tenure of the appointment	Initially for a period of one year extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 1,00,000 /- per month

Age	Not more than 45 years as on closing date of advertisement.
<b>Last date of application</b>	<b>June 8, 2019</b>

<b>Post Code - 2</b>	<b>Senior Domain Expert</b> (Science Communication / Scientific Content Design / Public Engagement)
Number of post	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding Agency	Department of Biotechnology (DBT)
<b>Project Code</b>	<b>30818410</b>
Minimum educational Qualifications	Ph.D. in Life Sciences / Biological Sciences OR MD in Medicine OR Post Graduate degree in Journalism OR MBA (post B.Sc.)
Preference	Candidates having minimum 4 years of experience and Strong background in science communication, scientific content design or public engagement will be preferred
Job requirement	The incumbent will need able to interact with the other teams to understand the workings of the MANAV platform and help assimilate the same to design teaching modules, communication material, public engagement policy that will allow us to bring the MANAV platform to teachers and students in colleges across the country. You will also be in charge of designing and organizing workshops for teachers and students that teaches them to use the MANAV platform. You will also help coordinate events like BIOTHONS which will involve mass engagement with students working on the Manav platform. You will also have to work to develop a plan for the rewards program to be instituted that will support the Manav initiative. You will also be in charge of furthering alliances with other academic organizations like the UGC, AICTE, ICMR, PCI and programs like the DBT star program to help connect the Manav platform with as many colleges as possible across the country.
Tenure of the appointment	Initially for a period of one year extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 1,00,000 /- per month
Age	Not more than 45 years as on closing date of advertisement.
<b>Last date of application</b>	<b>June 8, 2019</b>

<b>Post Code - 3</b>	<b>Domain Expert</b> (Molecular Biology / Cell Biology / Physiology / Clinical Sciences / Pharmaceutical Sciences / Life Sciences)
Number of post	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding Agency	Department of Biotechnology (DBT)
<b>Project Code</b>	<b>30818410</b>
Minimum educational Qualifications	Ph.D. in Molecular Biology / Cell Biology / Physiology / Clinical Sciences / Pharmaceutical Sciences / Life Sciences OR MD in Medicine
Preference	Candidates having minimum 2 years in Science Outreach Projects, Post-Doctoral research experience, good communication skills and having experience in systems biology and / or data network building will be preferred.
Job requirement	The incumbent will be working with the SENIOR DOMAIN EXPERT to help assimilate the necessary information from clinical and pharmaceutical sciences to needed for the design of the annotation tool. Under the guidance of the senior domain expert you will also work to create the rigorous modality needed for selection of papers and evaluation of the annotated literature. Along with the senior domain expert you will contribute to selecting papers that will be used for annotation. You will also be required to interface with the annotation and software development team to ensure smooth integration of the scientific and data requirements of the project. You 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. You will also be required to train and coordinate the work of domain analysts to ensure that quality and performance are both maintained in the selection and annotation of papers. You 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. You will also contribute to these teaching workshops as needed.
Tenure of the appointment	Initially for a period of one year extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 75,000 /- per month
Age	Not more than 40 years as on closing date of advertisement.
<b>Last date of application</b>	<b>June 8, 2019</b>

<b>Post Code - 4</b>	<b>Domain Expert</b> (Science Communication Expert / Scientific Content Design / Public Engagement)
Number of post	01 (One)

Name of the Project	"Manav – Human Atlas Initiative"
Funding Agency	Department of Biotechnology (DBT)
<b>Project Code</b>	<b>30818410</b>
Minimum educational Qualifications	Ph.D. in Life Sciences / Biological Sciences OR Post Graduate degree in Journalism (Science Communication) OR MBA (post B.Sc.)
Preference	Candidates having minimum 2 years in Science Outreach Projects, Post-Doctoral research experience, good communication skills and having experience in systems biology and / or data network building will be preferred.
Job requirement	The incumbent will be interacting with the other teams to understand the workings of the MANAV platform and help assimilate the same to design teaching modules, communication material that will allow us to bring the MANAV platform to teachers and students in colleges across the country. Under the supervision of the Senior Domain Expert you will also help in designing and organizing workshops for teachers and students to communicate the use of the MANAV platform. You will also be an important coordinator for events like BIOTHONS which will involve mass engagement with students working on the Manav platform. In doing so you will work closely with DOMAIN ANALYSTS and the administrative team. You will also be in charge of developing and helping implement the rewards program that will support the Manav initiative. This will be done in close consultation with the Senior Domain Expert.
Tenure of the appointment	Initially for a period of one year extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 75,000 /- per month
Age	Not more than 40 years as on closing date of advertisement.
<b>Last date of application</b>	<b>June 8, 2019</b>

<b>Post Code - 5</b>	<b>Domain Expert (Data Integration And Machine Learning)</b>
Number of post	01 (One)
Name of the Project	"Manav – Human Atlas Initiative"
Funding Agency	Department of Biotechnology (DBT)
<b>Project Code</b>	<b>30818410</b>
Minimum educational Qualifications	Ph.D. / B.E / M.E / B.Tech / M.Tech / M.Sc. OR Equivalent qualification

Preference	Candidates having more than 2 years of good experience in Machine Learning (ML) / Natural Language Processing (NLP) / Text Mining using Python, R, Perl and Linux will be preferred
Job requirement	The incumbent will work under the supervision of a computer data scientist to implement various ML / NLP methods for the scientific literature mining. You will be developing and testing various machine learning models to make Manav platform robust and intelligent. You will work in close collaboration with computer data scientists and software development team. You should have good experience in various ML/NLP libraries in Python, R, Perl and Linux. Good programming, algorithm development and analytical skills are a must.
Tenure of the appointment	Initially for a period of one year extendable for further period subject to satisfactory performance of the incumbent and continuation of the project.
Consolidated emoluments	Rs. 75,000 /- per month
Age	Not more than 40 years as on closing date of advertisement.
<b>Last date of application</b>	<b>June 8, 2019</b>

### **HOW TO APPLY:**

- Interested candidates fulfilling the eligibility criteria may apply online. Click on the link "[Apply Online](#)" to apply for the post.

**NOTE: Candidates applying for the multiple positions need to fill different forms for each position.**

- List of shortlisted candidates for selection process with details of date, time and venue will be put up on the institute website below this advertisement and candidates will be informed by **e-mail** only.
- Recent passport size photograph and photocopies of relevant certificates and other testimonials in support of age, qualification, experience etc. will be collected at the time of interview. Applicant must bring all the original certificates at the time of interview for the purpose of verification, along with one set of photocopies.

### **General Information / details about the posts**

1. The appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the project.
2. The appointed person shall have no claim of appointment / absorption in Funding Agency or in IISER Pune.
3. The appointment of the applicant will be governed by the terms and conditions of the funding agency particularly applicable to the said project.
4. The qualification prescribed should have been obtained from recognized Universities / Institutions.
5. Relaxation in requirement of qualification and/or experience may be considered in case of exceptionally meritorious applicants with the prior approval of the competent authority.

6. Age relaxation commensurate with educational qualification and experience of the applicant may be considered for candidates having qualification and experience higher than the advertised with the prior approval of the competent authority.
7. The prescribed educational qualifications & experience are the bare minimum and mere possession of same does not entitle candidates to be considered in the selection process. Where number of applications received in response to this advertisement is large, it may not be convenient or possible to interview all the candidates. Based on the recommendations of the 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 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.
8. No TA/DA will be admissible for appearing for the interview.
9. Selected candidates will have to join duty immediately on receipt of the offer.
10. No interim enquiries / correspondence / communication of any sort will be entertained on the matter.
11. Canvassing in any form and / or bringing any influence, political, or otherwise, will be treated as a disqualification for the post applied for.

**Advt. No: 33/2019/IISER-P/Proj.\_Rect/07.05.2019**

**Registrar**