

**ADVT. NO. : 11/2013**

**Recruitment for various positions under funded projects**

Indian Institute of Science Education and Research (IISER) 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 under funded project:

Name of the post – 1	<b>Research Associate (RA)</b>
Title of the Project	“Structural descriptors of protein-protein and protein-ligand binding sites and knowledge-based design of new interfaces and ligands”
Funding Agency	Wellcome - Dept. of Biotechnology India Alliance.
Project Code	30713100
Title of the specific Project for this position	“Characterizing protein-protein interfaces and using knowledge based and physical potentials to predict and design interactions”
Minimum prescribed educational Qualifications / experience	Ph.D. (Physics, Chemistry, Computer science or Life sciences) Candidates who have submitted their thesis and are awaiting their defense as of May 2013 are also eligible to apply.
Preference	Preference will be given to candidates having some background in structural biology and computer programming experience.
Job requirement	Developing algorithms and computer programs to analyze and predict the 3D structures of proteins and protein-protein complexes. Knowledge of C++ and python would be advantageous.
Tenure of the project	Initially for a period of one year, extendable for further period of two years subject to satisfactory performance of the candidate and continuation of the study project.
Consolidated fixed emoluments per month	Starting from Rs. 22,000/- to Rs. 24,000/- + 20% HRA per month.
No. of positions	One
Last date of application	June 15, 2013
Date of Interview	June 28, 2013
<b>Remarks</b>	Kindly email application with write up on why you are interested in this lab to Madhusudhan@iiserpune.ac.in <u>Lab Website :</u> <a href="http://www.iiserpune.ac.in/~madhusudhan">http://www.iiserpune.ac.in/~madhusudhan</a>

<b>Name of the post - 2</b>	<b>Project Fellow</b>
Title of the Project	“Structural descriptors of protein-protein and protein-ligand binding sites and knowledge-based design of new interfaces and ligands”
Funding Agency	Wellcome - Dept. of Biotechnology India Alliance.
Project Code	30713100
Title of the specific Project for this position	“Studying and predicting small-molecule binding sites on proteins”
Minimum prescribed educational Qualifications / experience	M. Sc. (Physics, Chemistry, Computer science or Life sciences) or equivalent degree with minimum 60% marks/equivalent grade. Additional percentage cut-off may be applied during the screening process if candidates are more.
Preference	Preference will be given to candidates having some computer programming experience and also, those who have cleared CSIR-NET or equivalent examinations.
Job requirement	Developing algorithms and computer programs to analyze and predict the ligand binding sites on proteins. Knowledge of C++ and python would be advantageous.
Tenure of the project	Initially for a period of one year, extendable for further period of two years subject to satisfactory performance of the incumbent and continuation of the study project.
Consolidated fixed emoluments per month	Starting from Rs. 12,000 or Rs. 16,000/- per month + 20% HRA based on academic qualification with CSIR-NET or equivalent examinations.
No. of positions to be filled up	Two
Last date of application	June 15, 2013
Date of Interview	June 28, 2013
<b>Remarks</b>	Kindly email application with write up on why you are interested in this lab to <a href="mailto:madhusudhan@iiserpune.ac.in">madhusudhan@iiserpune.ac.in</a> Lab Website : <a href="http://www.iiserpune.ac.in/~madhusudhan/home.html">http://www.iiserpune.ac.in/~madhusudhan/home.html</a>

<b>Name of the post - 3</b>	<b>Scientific programmer</b>
Name of the project	“Structural descriptors of protein-protein and protein-ligand binding sites and knowledge-based design of new interfaces and ligands”
Funding Agency	Welcome Trust DBT India Alliance
Project Code	30713100
Minimum Qualifications	B.E./ M.Sc. (in any branch of Science) or MCA degree with demonstrable programming experience
Preference	Preference will be given to the candidates having experience in implementing and maintaining web based databases and servers along with some system administration. Extensive familiarity with programming languages (mostly C, C++, Phyton, CUDA) is essential. Job duties would include implementing various algorithms to solve biological problems, and to aid in scientific research.

Salary	Salary would be based on qualification, experience and comparable with industry
No. of posts	1
Tenure	Initially for a period of one year which may be extended subject to satisfactory performance of the incumbent and continuation of the project.
Age	Not more than 35 years as on closing date of advertisement. Age criteria may be relaxed for exceptionally meritorious candidates commensurate with added years of experience.
Last date of application	June 26, 2013
Date of Interview	July 08, 2013

### **How to Apply:**

- Applicants should send the application **by email** addressed to [bio\\_app@iiserpune.ac.in](mailto:bio_app@iiserpune.ac.in) attaching duly filled **Application\_Form.doc** (converted to PDF) available below this advertisement on or before **last date**. Please mention name of the Post and Project Code in the subject line.
- For post 1 & 2, the list of the shortlisted candidates for interviews with details of date, time and venue will be put up on the Institute website by June 17<sup>th</sup>, 2013 below this advertisement and candidates will be informed **by e-mail**.

For post 3 the list of the shortlisted candidates for interviews with details of date, time and venue will be put up on the Institute website by June 28<sup>th</sup>, 2013 below this advertisement and candidates will be informed by e-mail.

- The print out of the application form sent by email signed and dated by the applicant along with 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. Appointment is purely temporary and will terminate automatically without any notice or compensation on termination of the research project.
2. The appointed person shall have no claim of appointment / absorption in Funding Agency or in IISER Pune.
3. 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. The prescribed educational qualifications are the bare minimum and mere possession of same does not entitled candidates to be called for interview. 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 the Screening Committee, the Project Leader 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.

6. No TA/DA will be admissible for appearing for the interview.
7. Selected candidates will have to join duty immediately on receipt of the offer.
8. Reservation as per Govt. of India norms will be followed.
9. No interim enquiries / correspondence / communication of any sort will be entertained on the matter.
10. 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. 11/2013. IISER-P/Rect/31-05-2013**

**Registrar**