

Research Associateship at IUCAA

Applications are invited for a Research Associateship for a period of three years (renewable each year on satisfactory performance) based at Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune. The position is funded by the DAE through a Raja Ramanna Fellowship. The selected candidate will work at IUCAA, reporting to Professor Ajit Kembhavi. The position is available immediately, and will be on contract basis.

Eligibility:

1. Ph.D. degree in astronomy/astrophysics or a related discipline. Candidates who have submitted their Ph.D. thesis and are awaiting appraisal are also eligible to apply.
2. Experience in astronomical data analysis and machine learning.
3. Experience in programming languages such as C, C++, IDL and Python is desirable.
4. Good oral and written communication skills in English are necessary.

The remuneration will be in the range of Rs. 36,000 to 40,000, with a contingency grant of Rs. 32,000 per annum. The selected candidate will be eligible for medical benefits as per the rules of IUCAA. On-campus accommodation will be provided, subject to availability. When campus accommodation is not available, House Rent Allowance (HRA) as per rules will be provided.

Deadline for application: July 15, 2017 or till the position is filled, whichever is later.

How to apply:

Interested candidates should apply with the curriculum vitae, list of publications, and a description of research interests, by email to Mr. Santosh Khadilkar (Administrative Officer, Core Programmes) at aocp@iucaa.in. In the email application, please mention, 'Application for Research Associateship' in the subject line. Applicants should arrange for two letters of reference (including one from the Ph.D. supervisor and one from a subject expert) to be sent directly to the same email address before the deadline.

Job description:

This is a position for research in selected areas of astronomy and astrophysics. The work will primarily involve using data analysis techniques and applications of machine learning and deep learning methods for extracting patterns from data. Theoretical analysis and code development will also be required. The incumbent will be expected to work in collaboration with other researchers, and to provide support to project students and others in the group, and to occasionally lecture and carry out practical sessions at workshops. Travel to other research centres may be required.

By virtue of being in this position, the candidate cannot claim any position in IUCAA.