



**INTER-UNIVERSITY CENTRE FOR  
ASTRONOMY AND ASTROPHYSICS**  
(An Autonomous Institution of the  
University Grants Commission)

## **VAIDYA-RAYCHAUDHURI POST-DOCTORAL POSITIONS**

Applications are invited from researchers with outstanding track record for a newly constituted Vaidya-Raychaudhuri Post-doctoral Fellowship in Astronomy and Astrophysics. The duration of the fellowship is typically for two to three years, but is extendable up to a maximum period of five years based on performance. The fellowship will carry a remuneration of Indian Rs. 40,000/- per month for the first two years and Indian Rs. 45,000/- per month in the subsequent years. There will be a contingency grant of Indian Rs.1,50,000/- per year throughout the tenure. The fellowship also includes rent free accommodation on campus as well as medical and other benefits. Facilities required for research are provided institutionally. A post-doctoral fellow with excellent performance will be considered for a tenured position.

### **Research areas at IUCAA:**

• <b>Cosmology and large scale structure</b>	• <b>Galactic and extragalactic astronomy</b>
• <b>General relativity</b>	• <b>Gravitational waves</b>
• <b>High energy astrophysics</b>	• <b>Instrumentation for astronomy</b>
• <b>Optical, UV, X-ray, and radio astronomy</b>	• <b>Quantum gravity, including string theory</b>
• <b>Virtual observatory</b>	• <b>Solar astronomy</b>

Facilities at IUCAA include a network of state-of-the-art computers, high performance computing clusters, high speed internet connections, mirror sites of important databases, a very well equipped instrumentation laboratory, and a library with exhaustive collection of books and periodicals.

IUCAA operates a 2 m optical telescope, IUCAA Girawali Observatory (IGO), at Girawali, which is about 80 km from IUCAA campus. IUCAA is a partner in the Southern African Large Telescope (SALT), which is a 10 m class telescope suited for imaging and spectroscopic observations of faint and distant objects. Support is also available for guest observing from other international facilities. Further information can be obtained from the IUCAA website.

Applicants should send a curriculum vitae, list of publications, and research plans, and arrange for three confidential reference letters to be sent independently.

All the relevant material should reach IUCAA by September 30, 2011. Candidates will be informed of the result by the end of November 2011. Successful candidates are normally expected to commence their fellowship during 2012.

### **Applications and enquiries should be sent by post or e-mail to:**

The Administrative Officer (Core Programmes),

IUCAA, Pune University Campus, Post Bag 4, Ganeshkhind, Pune 411 007, India.

E-mail: [snk@iucaa.ernet.in](mailto:snk@iucaa.ernet.in)

Phone: (91) 20 – 25604100, 25691414 Fax: (91) 20 – 25604699



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## POST-DOCTORAL POSITIONS

Applications are invited for post-doctoral fellowships in Astronomy and Astrophysics, for durations which are typically for two to three years, but are extendable up to a maximum of five years based on performance. The fellowship includes a remuneration, contingency grant, rent free accommodation on campus as well as medical and other benefits. Facilities required for research are provided institutionally. Post-doctoral fellows with excellent performance will be considered for a tenured position.

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A few positions are available specifically for IGO, ASTROSAT, and instrumentation related research work. Applicants interested in these positions should mention their interest specifically.

Applicants should send a curriculum vitae, list of publications, and research plans, and arrange for three confidential reference letters to be sent independently.

All the relevant material should reach IUCAA by October 31, 2011. Candidates will be informed of the result by the end of December 2011. Successful candidates are normally expected to commence their fellowship during 2012.

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