

Research Associate (Postdoc) position in Gravitational Physics

Applications are invited from motivated and qualified candidates for a Research Associate I position under an ANRF grant in theoretical gravitational physics.

Job Description: A successful candidate will research on various aspects of theoretical gravitational physics, including properties of compact objects, black holes and modified gravity models. Experience in studying geodesics, analyzing black hole shadows, and related topics is highly preferred.

A solid background in the computational and numerical methods used in general relativity and black hole physics is also desired.

Eligibility: A PhD in physics with a specialization in gravitational physics. Candidates who have submitted their dissertations are also eligible to apply. In addition to the subject qualifications, a good candidate will have good communication and writing skills and a working knowledge of Mathematica/Python (or any suitable programming language) for mathematical calculations. An ideal candidate will also be independent-minded and capable of driving research into uncharted territory.

Duration: Two-year appointment.

Remuneration: 58,000 INR monthly (+ HRA).

Application procedure: Interested candidates may apply by email to Prof. Sudipta Sarkar at sudiptas@iitgn.ac.in. The subject line of the email should be: '<Applicant Full Name> Postdoc IITGN 2026'.

The application should contain a **SINGLE PDF** with:

1. A Detailed CV with the list of publications.
2. A Research statement (**Maximum 2 pages**)

Mode of selection: The candidate will be selected based on the recommendation of a selection committee. Only short-listed candidates may be called for an online interview. Deadline for Online application: **28th January, 2026, 5 PM (IST)**

The candidate also needs to arrange two letters of recommendation. The recommendation letters may be sent directly to Prof. Sudipta Sarkar at [<sudiptas@iitgn.ac.in>](mailto:sudiptas@iitgn.ac.in) with a subject line: '<Applicant Full Name> Postdoc IITGN 2026'. Last date for sending the recommendation letter: **30th January, 2026, 5 PM (IST)**.

Contact: For any queries regarding the position, contact Prof. Sudipta Sarkar at atsudiptas@iitgn.ac.in.

