



Birla Institute of Technology & Science, Pilani

Hyderabad Campus

CALL FOR JUNIOR RESEARCH FELLOW FOR A DST INDO-ITALY JOINT RESEARCH PROGRAMME

Date: 10/09/2026

Applications are invited from suitable candidates for a **Junior Research Fellow (JRF)** position to work on the following project sponsored by **DBT**, under the supervision of **Prof. Sudipta Maiti**, Department of Biological Sciences and Dept. of Physics, **BITS-Pilani, Hyderabad Campus**, India, in collaboration with Prof. Sankar Davulluri (Dept. of Physics, **BITS-Pilani, Hyderabad Campus**, India), and Tata Institute of Fundamental Research, Hyderabad.

Title of the project:	Building an Entangled Photon Two-photon Microscope for Biological Samples
Duration of the project:	Three years
Project position:	One Junior Research Fellow position
Fellowship amount:	Rs. 37,000/- per month (Years 1–2) and Rs. 42,000/- per month (Year 3) for NET/GATE or any national level examination qualified candidates. 30% HRA will be provided as applicable.

Eligibility requirements:

- **Educational Qualification:** M.S./M.Sc./M.Tech. or equivalent degree in Physical Sciences, Biomedical Engineering or related Engineering disciplines with a minimum of 60% marks (or equivalent CGPA).
- **National-Level Qualification:** Preference will be given to candidates who have qualified NET/GATE or any other recognized national-level examination.
- **Research Experience:** Candidates with prior experimental experience in nonlinear optics, quantum photonics, microscopy, molecular biology, or animal handling will be given preference.
- **Research Interests:** A strong interest in quantum photonics, high-resolution microscopy, and translational research is highly desirable.
- **Communication Skills:** Ability to work effectively in a team, with strong scientific writing and communication skills.
- **Technical Skills:** Basic knowledge of laser spectroscopy, image analysis and/or familiarity with programming languages such as Python or R is desirable but not mandatory.

Interested and eligible candidates should apply through the Google Form: <https://bit.ly/4xmbwlj> by 25th September, 2026. Please note that only qualified and suitable candidates will be called for an online interview, tentatively in the last week of September, 2026. No TA/DA will be paid for the interview. Shortlisted candidates will be mailed with the date and time. Selected candidate may be permitted to register for the Ph.D. program of BITS, Pilani, subject to their fulfillment of the entrance requirements.

Prof. Sudipta Maiti, Sr. Professor

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