



BITS Pilani, Goa Campus - IISER Tirupati Joint PhD Program

ONE JRF Position

We are hiring! Applications are invited for Admission to the Collaborative **Full-Time PhD** Program between BITS Pilani, KK Birla Goa Campus, and IISER Tirupati, a joint research effort between two premier institutions, BITS Pilani and IISER, Tirupati.

Title of the project: Medicinal Mechanochemistry 2.0: Green Synthesis and Validation of Nucleoside-NCEs and Ribavirin Analogues that Target both the Helicase and RNA dependent RNA Polymerases as Flavivirus Inhibitors

Supervisors: Prof. Mainak Banerjee (Supervisor) (<https://www.bits-pilani.ac.in/goa/mainak-banerjee/>) – BITS Pilani KK Birla Goa Campus | Prof. Guruprasad R. Medigeshi (Co-(Supervisor)) (https://www.iisertirupati.ac.in/faculty-details/?faculty_id=Bio-1&id=2124) – IISER, Tirupati

Research areas: Organic Synthesis, Antiviral Drug Design, Mechanochemistry

Qualifications and other details:

Scope of work	Essential Qualification	Desirable Qualification
Primary role: synthesis of small-molecules , in-silico design Other roles: cytotoxicity studies; antiviral assays.	M. Sc./ M.S./M. Pharm (or equivalent degree) with 60% aggregate (equivalent CGPA) in Organic Chemistry/General Chemistry/Medicinal Chemistry/Biochemistry etc.	NET/GATE/GPAT (hands-on experience in synthetic organic chemistry)

Fellowship: ₹37,000 for JRF + HRA (as applicable)

How to Apply: Interested candidates, fulfilling the above requirements, can apply by filling in the **Google form** (https://docs.google.com/forms/d/1XGsgiyohQCXIhived4OhqZdlu_Pb02jmNmXa4Y_rBUo/edit) by **25th July 2025, 5.00 PM**. Please note that only qualified and shortlisted candidates will be selected for the interview. Details of the interview will be communicated via email. For any query, email: mainak@goa.bits-pilani.ac.in or mainak669@gmail.com (alternate e-mail).

Deadline: 25th July 2026

Mainak Banerjee (Supervisor)

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