



# Birla Institute of Technology & Science, Pilani

## Hyderabad Campus

### Call for Junior Research Fellows (non-medical) in the Nanomedicine Research Laboratory, BITS-Hyderabad.

Application for the position of **two** junior research fellows for the project "**Self-propelled Janus Nanomotor for Site-specific Delivery of Chemotherapeutics in Gastric Cancer through the Oral Route**" under the supervision of **Prof. Swati Biswas, Department of Pharmacy.**

Scope of work	Essential Qualification	Desirable Qualification
To develop various nanoformulations using advanced fabrication techniques such as microfluidization, electrospinning, and hydrothermal method. To carry out a comprehensive physicochemical characterisation of the developed nanoformulations using appropriate analytical techniques. To evaluate the formulations through <b>in vitro</b> and <b>in vivo</b> studies and to elucidate the underlying <b>mechanistic pathways</b> involved.	Master's Degree in Pharmaceutics or Pharmaceutical Sciences (First-class) from a recognized university. The candidate will be eligible to apply for the Ph.D. position next semester. PhD candidates are encouraged to apply.	GATE/NET/GPAT/DBT/DST/ICMR/CSIR etc. qualification with prior experience working on a project related to developing nanoformulations, <i>in vitro</i> and <i>in vivo</i> experiments. Strong interest in learning new techniques.

**Fellowship:** As per BFI norms.

**Place of work:** BITS Pilani, Hyderabad Campus

**Application process:** Please apply with a **CV and cover letter** (showing alignment and justification with the roles/responsibilities/requirements) via email to the undersigned and using the link below.

**Google form link:**

<https://docs.google.com/forms/d/e/1FAIpQLSeeqRpLMvg9dA8H10pFfEYsiY1fIQxAk6w0Odw9ye3qbsM9pw/viewform?usp=publish-editor>

**Deadline:** January 10<sup>th</sup>, 2025

**Date of interview:** January 11<sup>th</sup>, 2025

Preliminary shortlisting will be based on a resume and a telephonic/audio-visual interview within a week of the last date of application. Only the selected candidate will be informed through email for the final interview. No TA/DA will be provided in case of a personal final interview.

For more details, please contact:

**Prof. Swati Biswas**

**Department of Pharmacy**

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<https://universe.bits-pilani.ac.in/hyderabad/biswas/Profile>



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