



BITS Pilani
Pilani Campus

Call for Applications for Project Fellows sponsored by BITS Pilani [Pilani campus] under DBT BUILDER Programme

(Location: BITS Pilani, Pilani Campus)
Application Deadline: 21st June 2022

About BITS Pilani

Birla Institute of Technology & Science, Pilani (BITS Pilani) is a Deemed to be University established vide Sec.3 of the UGC Act, 1956. It has established itself as a symbol of Excellence and has been declared as an Institution of Eminence (IoE) by the Ministry of Education, Government of India in 2020. It offers Undergraduate, Graduate, and PhD programmes to over 17,000 students across its campuses in Pilani, Dubai, Goa, Hyderabad, and Mumbai. QS World University Subject Rankings 2022 has ranked BITS Pilani globally at 101-150 in Pharmacy and Pharmacology. BITS Pilani has also been ranked among the top 300 in QS World University Graduate Employability Rankings 2022 and within the top 8 in India. In QS Asia

University Rankings 2021, BITS has been ranked 194th (only private institute from India in the Asia Top 200, and at 18 in India). In Times Higher Education (THE) World University Subject Rankings 2022, BITS has been ranked 251-300 in Life Sciences (2nd among Indian institutions). In the NIRF 2021 rankings, BITS Pilani has been ranked 3rd in Pharmacy. The Institute has secured more than Rs 375 crores as external research grant in the last 5 years. State of the art facilities have been developed to support cutting edge research, leading to an h-index of 135, about 1,91,00 publications with over 1,80,320 citations as per Scopus Database and with 112 patents filed in the last 5 years and 14 patents being granted.

About DBT Boost to University Interdisciplinary Life Science Departments for Education and Research (DBT BUILDER) programme

The DBT BUILDER programme fosters interaction between the existing departments of universities invigorating interdisciplinary modern bioscience research through creation of new

research agenda aiming to develop world-class school of life science in universities doing both advanced research and education.

RESEARCH THEME

The theme of DBT BUILDER at BITS Pilani, Pilani campus is **"Interdisciplinary Life Science Programme for Advanced Research and Education in Epigenetics and Genome Editing"**

About the Positions

Applications are invited for Project Fellows financially supported by BITS Pilani [Pilani campus] in the relevant areas

- **Fellowship:** As per Institute norms
- **Number of positions:** 06
- **Eligibility:** Please refer to the table appended below (only NET-LS or equivalent national exams)
- **Application process:**
 - Eligible candidates may apply using following link: <https://forms.gle/Qri1peYqwrQrQLgg6>
 - Selected candidates need to apply for PhD programme as per institute norms (For more details visit: www.bitsadmission.com)
 - For queries contact at following email ID: dbtbuilder@pilani.bits-pilani.ac.in



Details of the Positions: Project Fellows

#	Research Area	Department	Investigators	No. of Positions	Essential Qualification	Desirable Qualification
1	Epigenetics [Malaria Biology]	Department of Biological Sciences	Prof. Shilpi Garg, Prof. AK Das & Prof. Vishal Saxena	2	<ul style="list-style-type: none"> Minimum 60% aggregate in qualifying degree (M.E./ M. Tech in Biotechnology/ M.Sc. in Life Sciences/ Bio-Sciences / Microbiology or equivalent) Candidates should have qualified DBT-BET[Category II]/ GATE/ NET-LS or equivalent examination. Proficiency in English with good communication skills is also a major criteria. 	Wet lab experience in all Genetic Engineering/ Molecular Biology Techniques with good experience in microbial and animal cell culture handling. Preference will be given to candidates having exposure to malaria parasite culture or any parasitic culture and bioinformatics skills including protein modeling, docking techniques.
2	Epigenetic Modulators [Malaria]	Department of Pharmacy	Prof. S. Murugesan & Dr. Sandeep Sundriyal	2	<ul style="list-style-type: none"> Minimum 60% aggregate in qualifying degree (M.Pharm / MS. Pharm. in Medicinal Chemistry/ Pharmaceutical Chemistry or equivalent) Candidates should have qualified GATE/GPAT/ NET-LS or equivalent examination. 	Experience in multistep organic synthesis, purification, and characterization of small molecules is essential. Hands on experience in molecular modeling (molecular docking, molecular dynamics, pharmacophore mapping, etc) tools and techniques. Proficiency in English with good communication skills.
3	Epigenetics [Neurobiology]	Department of Pharmacy	Prof. Rajeev Taliyan	1	<ul style="list-style-type: none"> Minimum 60% aggregate in qualifying degree (M. Pharm/ M.S. (Pharm. in Pharmacology/ Pharmaceutics/ Pharmaceutical Technology/ Pharm. Biotechnology or equivalent) Candidates should have qualified GATE/GPAT/ NET-LS or equivalent examination 	Candidate with experience in Gene, gene delivery, epigenetics, Cell line study, RT-PCR, Western blotting, SDS PAGE etc will be preferred
4	Nanoformulation of epigenetic modulators	Department of Pharmacy	Prof. Aniruddha Roy	1	<ul style="list-style-type: none"> Minimum 60% aggregate in qualifying degree (M.Pharm / MS (Pharm.) in Pharmaceutics /Pharmacology or equivalent) Candidates should have qualified GATE/GPAT/ NET-LS or equivalent examination 	Candidate with experience in the nanoformulation, cell culture studies and animal handling will be preferred