



**BITS Pilani**  
Pilani Campus

## Call for Applications under DBT BUILDER Programme Project based Ph.D. Positions associated with Interdisciplinary Research in Life Sciences

(Location: BITS Pilani, Pilani Campus)

Application Deadline 11<sup>th</sup> March 2022

Website: (<https://discovery.bits-pilani.ac.in/DBT/index.html>)

### 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 2021 has ranked BITS Pilani in the Top 351-400. Pharmacy was ranked globally at 151-200 (Top 4 in India). In QS Asia University Rankings 2021, BITS has

been ranked 194<sup>th</sup> (only private institute from India in the Asia Top 200, and at 18 in India). In the NIRF 2021 rankings, BITS Pilani has been ranked 3<sup>rd</sup> in Pharmacy. In Times Higher Education (THE) World University Subject Rankings 2022, BITS has been ranked 251-300 in Life Sciences (2<sup>nd</sup> among Indian institutions). The Institute has secured more than Rs 383 crore 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 134, ~18,914 publications with ~1,76,549 citations as per Scopus Database and with 100+ patents filed in the last 5 years.

### 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 Junior Research Fellows (JRFs) in the relevant areas

- **Fellowship:** JRF @ Rs. 31,000/- p.m. for first two years, and SRF for 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> year as per DBT norms
- **Number of positions:** 05
- **Eligibility:** Please refer to the table appended below (only NET-LS or equivalent national exams)
- **Application process:**
  - Eligible candidates may please apply with detailed CV using the online form available at: <https://forms.gle/TsVa7ZXiPaffXZim7> by 11<sup>th</sup> March 2022
  - Selected candidates will be expected to join the PhD programme of BITS Pilani
  - For queries contact at following email ID: [dbtbuilder@pilani.bits-pilani.ac.in](mailto:dbtbuilder@pilani.bits-pilani.ac.in)



## Details of the Positions: Junior Research Fellow

S. No	Research Area	Department	Investigators	No. of Positions	Essential Qualification	Desirable qualification
1	Epigenetics [Diabetes]	Pharmacy & Biological Sciences	Prof. Syamantak Majumdar & Prof. Anil B. Gaikwad	1	<ul style="list-style-type: none"> <li>Minimum 60% aggregate in qualifying degree (M.Sc./M. Tech in Physiology/ Biotechnology / Biochemistry or equivalent)</li> <li>Candidates with M. Pharm/M.S. (Pharm) in Pharmacology having strong background in Biology may also apply</li> <li>Candidates should have qualified DBT-BET [Category II]/ NET-LS / GATE / GPAT or equivalent examination</li> </ul>	Experience in cell culture and biochemistry related studies along with in vivo studies using mice and rats
2	Epigenetic Modulators [Diabetes]	Pharmacy	Prof. Hemant R. Jadhav & Prof. Atish T. Paul	2	<ul style="list-style-type: none"> <li>Minimum 60% aggregate in qualifying degree ( M. Pharm/M.S (Pharm) in Pharmaceutical Chemistry /Medicinal Chemistry/ Natural Products or equivalent</li> <li>Candidates should have qualified GATE/ GPAT/ NET-LS or equivalent examination</li> </ul>	Experience in the molecular modelling and pharmaceutical synthesis
3	Epigenetics [Cancer Biology]	Biological Sciences	Prof. Rajdeep Chowdhury	1	<ul style="list-style-type: none"> <li>Minimum 60% aggregate in qualifying degree( M.Sc./M.Tech in Physiology/ Biotechnology / Biochemistry or equivalent</li> <li>Candidates with M.Pharm/M.S. (Pharm) in Pharmacology having strong background in Biology may also apply</li> <li>Candidates should have qualified DBT-BET [Category II]/ NET-LS / GATE / GPAT or equivalent examination</li> </ul>	Expertise in Cancer Biology related wet lab experimental research; Experience in RNA sequencing or expression data handling
4	Nanoformulation of epigenetic modulators	Pharmacy	Prof. Anupama Mittal	1	<ul style="list-style-type: none"> <li>Minimum 60% aggregate in qualifying degree (M. Pharm/M.S (Pharm) in Pharmaceutics/ Pharmacology or equivalent</li> <li>Candidates should have qualified GATE/ GPAT/ NET-LS or equivalent examination</li> </ul>	Experience in nano formulation, cell culture studies and animal handling