

Department of Biotechnology

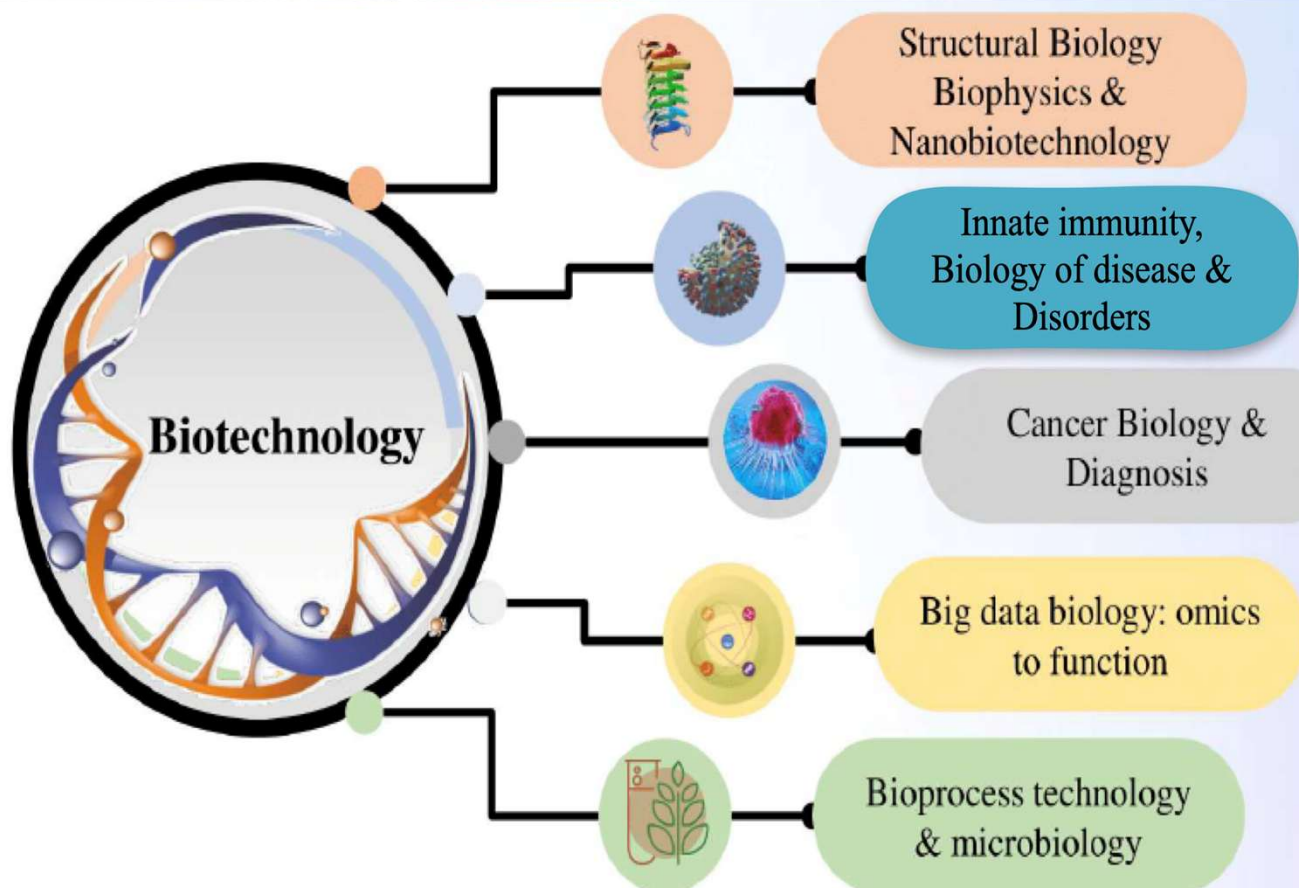
Indian Institute of Technology Hyderabad



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Ph.D. Admissions Brochure for JRF candidates [September 2025]

Website: <https://biotech.iith.ac.in/>



Department of Biotechnology

(Overview)

The Department of Biotechnology, established in 2010, offers outstanding research programs in the frontier areas of Biotechnology encompassing both applied and basic research spanning various experimental and computational frontiers. Research activities in the department are funded by national agencies such as DBT, DST, ICMR, CSIR, etc.

The mission of the Ph.D. program is to develop a new generation of scientific leaders with scientific vigor, critical thinking, ethics, and multitasking managerial skills to thrive in the fast-paced technology-driven industry and academia. We foster innovations through cutting-edge technologies and interdisciplinary research.

For more details visit: <https://biotech.iith.ac.in/>

Research Areas open for the September 2025 round

Applications are invited from suitably qualified & motivated candidates for admission to the Ph.D. program in the Department of Biotechnology, IITH, in the following research areas:

Research Areas	Faculty
Computational genomics and transcriptomics, AI for precision medicine, RadioGenomics, Image processing, predictive biomarkers in cancer, neurodegenerative disorders, epigenomics, genome wide drugs and CRISPR/sh-RNA screens.	Dr. Rahul Kumar https://people.iith.ac.in/rahulk
Computational biology, bioinformatics, Transcriptomics / proteomics / metabolomics data-driven & machine-learning models, Biological networks, Metabolism, Parasitology & Immunology	Dr. Abhishek Subramanian https://sites.google.com/bt.iith.ac.in/comp-bio-abhishek/home
Epigenetics and DNA repair, Enzyme engineering for active pharmaceutical ingredient synthesis, Drug/inhibitor design, Vaccine design, X-ray crystallography, Biophysics and biochemistry, Computational biology, phase separation of macromolecules.	Prof. Rajakumara Eerappa https://rajakumarae.wixsite.com/rajabt-iith

Minimum Eligibility Criteria

Minimum Eligibility

- MTech in any area of Life Sciences/Biotechnology/Physical Sciences, and possessing a valid National level JRF qualification
- MSc degree in any allied area of Life Sciences/Biotechnology, Physical or Chemical Sciences, and possessing a valid National level JRF qualification.
- B.Tech/BE in any allied area of Life Sciences/Biotechnology/Physical Sciences (or) MBBS and qualified with a valid National level JRF qualification.

Candidates should also possess:

- General category: at least 63% marks in the highest qualifying degree
- OBC category: at least 57% marks in the highest qualifying degree
- SC/ST category: at least 51% marks in the highest qualifying degree
- For those who have not yet completed their qualifying examination, the marks obtained up to the 3rd semester for M.Sc./M.Tech. and the 7th semester for B Tech/BE Students will be considered.

Category of admission

- I. Fellowship from external funding agency: Candidates with a valid CSIR-NET-JRF/UGC-NET-JRF/ICMR-JRF/DBT-JRF/ (Category-I) award or any other equivalent national-level qualification for research fellowship (e.g., DST-INSPIRE fellowship) can apply under this category.

Note:

1. This admission is only for candidates with a valid fellowship/JRF from an external agency.
2. Candidates only with a GATE score are not eligible for this special round of admission. This round is open only for candidates possessing a valid National Level JRF qualification.
3. Prospective applicants have to ensure they meet all eligibility criteria before applying. Shortlisting criteria are usually higher than the minimum eligibility criteria. *The department reserves the right to set any cut-off criteria for shortlisting the candidates.*

Selection Procedure

- Candidates will be shortlisted according to the criteria set by a shortlisting committee and called for an interview subsequently.
- Selection to the Ph.D. program will be based on performance in the interview.
- Request to change the interview date/time will not be entertained.

Interested candidates can apply online through IIT Hyderabad's website: <http://www.iith.ac.in/phdadmissions/>

For any further information, please contact by email: eraj@bt.iith.ac.in, rahulk@bt.iith.ac.in or abhisheks@bt.iith.ac.in.

Last date for application submission: 12/10/2025

Note: The department has the right not to select any candidate if appropriate candidates are not found.

Career Prospects

Biotechnology/Bioinformatics Research & Teaching (Academics)



Pharmaceuticals and Healthcare Industries



Science Writers Science Communicators



Top Companies and Institutes

