भारतीय सांकेतिक विज्ञान संस्थ हैदराबाद
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Last Date
Jun 22, 2023

Direct PhD Admission
(2023)
for
Meritorious Students from
Centrally Funded Institutions
(CFIs)

"Direct Admission to PhD from BTech/ BDes/ MSc"

Departments

- ***Artificial Intelligence***
- ***Biomedical Engineering***
- ***Biotechnology***
- ***Chemical Engineering***
- ***Chemistry***
- ***Civil Engineering***
- ***Computer Science and Engineering***
- ***Design***
- ***Electrical Engineering***
- ***Materials Science and Metallurgical Engineering***
- ***Mathematics***
- ***Mechanical and Aerospace Engineering***
- ***Physics***

Eligibility:

- ***Meritorious students who scored a CGPA of 9 and above in BTech/ BDes/ MSc from CFIs (IITs, NITS, IISc, IISERs) are eligible for admission***
- ***GATE is not Mandatory***

Fellowship {4 Years}:

- ***Rs. 40,000pm for the first two years and,***
- ***Rs 45,000 for the remaining two years***

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Direct PhD Admission for Meritorious Students from Centrally Funded Institutions

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Biotechnology Faculty interested in recruiting a Ph.D. student under this advertisement

Faculty	Research Area	Lab page
Dr. Anamika Bhargava	Development of preclinical models of breast cancer using xenotransplantation in zebrafish and studying breast cancer mechanisms.	CELL SIGNALLING LAB
Dr. Thenmalarchelvi Rathinavelan	Exploring the molecular mechanisms of diseases by using computational andexperimental approaches	Molecular Biophysics Laboratory
Dr. Basant K. Patel	Protein misfolding in neuro-degenerative diseases-Amyotrophic Lateral Sclerosis (ALS), Huntington's disease, Alzheimer's disease; Role of chaperones in proteinopathies; Amyloid aggregation; Intrinsically disordered proteins; Oxidative stress in proteinopathies. Therapeutics of neuro-degenerative diseases; Yeast genetics & cell biology models of human proteinopathies.	Protein misfolding Research Lab
Dr. Ashish Misra	Cancer genomics and biomarker discovery, 3D cancer model development, Drug resistance and repurposing, Long noncoding RNAs, Alternative splicing and RNA metabolism in cancer, Protein Engineering.	CGRB Lab
Dr. Rajkumara Eerappa	Characterization of cancer drug targets, Drug/inhibitor design, Vaccine design, X- ray crystallography, Biophysics & Biochemistry, Computational biology, Epigenetics, and DNA repair.	Macromolecular Structural Biology Lab
Dr. Sandipan Ray	Circadian rhythm, cancer, mechanism of drug action, clinical proteomics, massspectrometry.	Circadian Rhythms and Disease Biology Laboratory
Dr. Gunjan Mehta	Chromosome dynamics and genetic disorders, single-molecule imaging, chromatinremodeling, cancer therapy target aurora kinase B, cell division, gene regulation, advanced fluorescence microscopy.	Laboratory of Chromosome Dynamics and Gene Regulation
Dr. Rahul Kumar	Computational genomics and transcriptomics, artificial intelligence to devise precision medicine, predictive biomarkers in cancer, epigenomics, genome wide drugs and CRISPR/sh-RNA screens.	Computational Genomics and Transcriptomics Laboratory
Dr. Althuri Avanthi	Biofuels, Biochemicals, Biomaterials, Nanobiotechnology, Bioprocess technology, Downstream processing, Hydrothermal Liquefaction, Waste valorization and Circular economy.gb	Integrated Bioprocess Technology Research Lab
Dr. Gaurav Sharma	Microbial genomics, Evolutionary biology, Microbial diversity, Plant Genomics, Plant Metagenomics, Microbiome, Plant-microbe interactions, Computational biology, Prediction webservers	Microbial Genomics and Evolution Lab
Dr. Abhishek Subramanian	Computational Systems & Network Biology, Omics data analysis & bioinformatics, Metabolism & gene regulation, Mathematical, statistical modelling and machine learning, Parasitology and immunology	MOLECULAR SYSTEMS BIOLOGY AND METABOLISM RESEARCH