



TATA MEMORIAL CENTRE
Advanced Centre for Treatment, Research and Education in Cancer
(ACTREC)

Kharghar, Navi Mumbai - 410210

(A Grant-in-Aid Institution of the Department of Atomic Energy, Government of India)



LIST OF PROJECTS - Ph. D (LIFE SCIENCES) JUNIOR RESEARCH FELLOW 2026

(Affiliated to Homi Bhabha National Institute)

NO.	GUIDE	PROJECT TITLE
1	Dr. Ashok K. Varma (Guide) Vedang Murthy (Co-Guide) Gagan Prakash (Co-Guide)	Urine Proteomics-based biomarker discovery from a panel of protein molecules identified in Non-muscle invasive bladder cancer (NMIBC) treated with chemo radiotherapy
2	Dr. Ashok K. Varma	Structural and functional characterization of p90 ribosomal S6 kinase (RSK) signaling pathways.
3	Dr. Kakoli Bose	Characterizing the Role of Small Molecule Modulators in Mediating Activation of Procaspace-8 to Uncover Apoptosis Regulation in Cancer
4	Dr. Vikram Gota	Discovery and Development of Mutation-Specific Phytochemical Therapeutics for Cancer
5	Dr. Subir Biswas	Unveiling the impacts of the frequent mutations on the immunogenicity of human non-small cell lung cancer and its implications on developing novel immunotherapies.
6	Dr. Amartya Singh	Comprehensive characterization of tumours and their microenvironment in solid tumours across multiple tissues and identification of key changes under treatment using single-cell gene expression
7	Dr. Malay Sannigrahi	Genomic and Transcriptomic Landscapes of the High Metabolic- Immune Evasion Phenotype in Advanced Cervical Cancer
8	Dr. Gunjan Mandal	Exploring the underlying mechanisms of early exhaustion and ineffectiveness of NK cell-based cellular therapies in solid tumor malignancies and identifying appropriate subpopulations ensuring therapeutic efficacy
9	Dr. Shivani Sachdev	Engineering Antibodies and Chemical Biology Tools to Probe Membrane Receptor Function in Cancer