



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 2024

(Affiliated to Homi Bhabha National Institute)

NO.	GUIDE	PROJECT TITLE
1	Dr. Rohan Jayant Khadilkar	Elucidating the role of peroxisomal biogenesis and function during developmental and malignant hematopoiesis
2	Dr. Nandini Verma	Role of receptor and non-receptor tyrosine kinases network in drug resistance and metastasis in Triple-Negative Breast Cancer
3	Dr. Ashok K. Varma	Studies of structural alterations caused by germ-line mutations identified in different functional domains BRCA2 to unravel the genomic integrity
4	Dr. Ashok K. Varma	BRCA1-RAP80 complex integrity control by MERIT40 to regulate DNA Repair Mechanism; A structural and functional overview
5	Dr. Kakoli Bose	Characterizing HtrA2 pathogenic mutations in severe infantile progressive diseases
6	Dr. Kakoli Bose	Characterization of Interaction between Proapoptotic Serine Protease HtrA2 and Antiapoptotic cFLIP: a Multidisciplinary Approach
7	Dr. Vikram Gota	Screening and development of mitochondria-targeted drug candidates for the treatment of therapy resistant cancers
8	Dr. Vikram Gota	Metabolomic profiling of cardiac tissue to elucidate higher doxorubicin cardiotoxicity associated with early-life chronic moderate protein-deficiency malnutrition
9	Dr. Syed K. Hasan	Unraveling the Interplay of Pregnancy Zone Protein (PZP) and Matrix Metalloproteinases in Breast Cancer Progression: Insights from Molecular Mechanisms and Therapeutic Implications
10	Dr. Nandini Verma	Determining the role of ferroptosis regulators in conferring drug resistance and metastasis in aggressive Breast Cancers