

ACTREC: Compilation of JRF-2020 Student Projects

S.No.	Guide	Project Title
1	Dr. Sorab Dalal	Comparative proteomic analysis of 14-3-3 ligand association
2	Dr. Manoj Mahimkar	Molecular genetic analysis of clinically high risk oral leukoplakia to identify potentially high risk lesions. Co-Guide: Dr. Sharmila Pimple
3	Dr. Nandini Verma	To identify the role epigenetic regulators in therapy-induced chromatin remodeling in chemotherapy resistance in TNBC subtypes using pharmacological and shRNA based screens.
4	Dr. Jyoti Kode	Exploring immunomodulatory properties of seaweed-derived nanocomposite in improving anti-cancer immunity
5	Dr. Jyoti Kode	Exploring Wharton's jelly mesenchymal stem cells derived conditioned media (MSC-CM) for anticancer potential through NLRP3 inflammasome and Innate immune pathways
6	Dr. Rukmini Govekar	Transcriptomic and epigenomic profiling of imatinib sensitive and resistant CML –BC cells Co-Guide: Dr. Sanjay Gupta
7	Dr. Murali Chilakapati	Minimally invasive methodologies for stratification of premalignant diseases and recurrent prone subjects in oral cancers Co-Guide: Dr. Rukmini Govekar
8	Dr. Syed K. Hasan	To study the molecular mechanisms underlying acute promyelocytic leukemia associated coagulopathy Co-Guide: Dr. Prashant Tembhare
9	Dr. Pritha Ray	Investigating the influence of mutant P53 on autophagy in epithelial ovarian cancer cells
10	Dr. Abhijit De	Studies on cellular plasticity and cell fate determination in drug resistance breast cancer
11	Dr. Kakoli Bose	Structure-Based Design of Peptide and Small Molecule Modulators of Proapoptotic Serine Protease HtrA2
12	Dr. Kakoli Bose	Delineating the Structure-Function Relationship of DNA-Dependent Protein Kinase in Mediating Oncogenic Signaling
13.	Dr. Sanjeev Waghmare	Delineating the role of Hexokinase 2 (HK2) in epidermal homeostasis and stem cell regulation
14.	Dr. Prasanna Venkatraman	Dissecting the molecular details of PSMD5 interaction to develop novel therapeutic strategies
15.	Dr. Manoj Mahimkar	Understanding cell junctional control of YAP (Yes-associated protein) and its downstream signalling effectors during squamous cell carcinogenesis using <i>Drosophila</i> and rodent models.