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Area Of Research:Cell Biology and Cancer Biology- Our main focus is on understanding the tumor metastasis using breast cancer as a model system. We tried to address how cellular plasticity and tumor heterogeneity contributes to breast cancer development. We further investigate the molecular mechanisms and signaling pathways which contribute to the cellular plasticity and therefore serve as therapeutic targets in breast cancer.

Notice Board

No Records Available

Students And Project Trainees

No Records Available

Publications

3 Saratchandra Singh Khumukcham $ Vasudevarao Penugurti $ Suresh Bugide Anju Dwivedi Anita Kumari P.S. Kesavan Sruchytha Kalali Yasaswi Gayatri Mishra Vakkalagadda A. Ramesh Hampapathalu A. Nagarajaram Aprotim Mazumder Bramanandam Manavathi (2023) , HPIP and RUFY3 are non-canonical guanine exchange factors of Rab5 to regulate endocytosis-coupled focal adhesion turnover , J. Biol.Chem. https://doi.org/10.1016/j.jbc.2023.105311), ,,, IF - 5.485.

2 Khumukcham SS, Samanthapudi VSK, Penugurti V, Kumari A, PS Kesavan, Velattoru LR, Kotla SR, Majumder A and Manavathi B. (2019) , Hematopoietic PBX-interacting protein is a substrate and inhibitor of APC/C-Cdc20 and regulates mitosis by stabilising cyclin B1. , J Biol Chem, ASBMB,294(26),,10236-10252. IF - 4.0.

1 Guntuku L, Gangasani JK; Thummuri D; Borkar RM; Manavathi B; Ragampeta S; Vaidya JR; Sistla R;VJM Naidu (2019) , IITZ-01, a novel lysosomotropic autophagy inhibitor, has single agent antitumor efficacy in triple negative breast cancer in vitro and in vivo. , Oncogene , nature publishing group,38(4),,581-595 IF - IF: 7.5.