

1. Nair, M. G., A. D. Mavatkar, C. M. Naidu, P. S. V, E. A. C, S. Rajarajan, S. Sahoo, G. Mohan, V. S. Jaikumar, R. S. Ramesh, S. S. B, M. K. Jolly, **T. T. Maliekal** and J. S. Prabhu (2024). "Elucidating the Role of MicroRNA-18a in Propelling a Hybrid Epithelial-Mesenchymal Phenotype and Driving Malignant Progression in ER-Negative Breast Cancer." **Cells** **13**(10) (IF 5.1)
2. Riya, P. A., B. Basu, S. Surya, S. Parvathy, S. Lalitha, N. P. Jyothi, V. Meera, V. S. Jaikumar, P. Sunitha, A. Shahina, R. Sukumaran, A. S. Nair, S. B. Dhanesh, J. Jiffy, S. Nelson-Sati, **T. T. Maliekal**, A. V. Das and J. James (2022). "HES1 promoter activation dynamics reveal the plasticity, stemness and heterogeneity in neuroblastoma cancer stem cells." **J Cell Sci** **135**(22). (IF 4.0)
3. Senapati, P., A. Bhattacharya, S. Das, S. Dey, D. Sudarshan, S. G, J. Vishwakarma, S. Sudevan, R. Ramachandran, **T. T. Maliekal** and T. K. Kundu (2022). "Histone Chaperone Nucleophosmin Regulates Transcription of Key Genes Involved in Oral Tumorigenesis." **Mol Cell Biol** **42**(2): e0066920 (IF 4.272)
4. Dharmapal, D., A. Jyothy, A. Mohan, P. G. Balagopal, N. A. George, P. Sebastian, **T. T. Maliekal** and S. Sengupta (2021). "beta-Tubulin Isotype, TUBB4B, Regulates The Maintenance of Cancer Stem Cells." **Front Oncol** **11**: 788024. (IF 6.244)
5. Gopalakrishnan, S., S. K. Uma, G. Mohan, A. Mohan, G. Shanmugam, V. T. V. Kumar, S. J, S. K. Chandrika, D. Vasudevan, S. R. C. Nori, S. N. Sathi, S. George and **T. T. Maliekal** (2021). "SSTP1, a Host Defense Peptide, Exploits the Immunomodulatory IL6 Pathway to Induce Apoptosis in Cancer Cells." **Front Immunol** **12**: 740620 (IF 7.561)
6. Amrutha Mohan, Reshma Raj R., Gayathri Mohan, Padmaja, K P. and **Maliekal TT.** (2021) Markers and reporters to reveal the hierarchy in heterogeneous cancer stem cells **Frontiers in Cell and Developmental Biology** doi: 10.3389/fcell.2021.668851 (IF 6.684)
7. Amrutha Mohan, Reshma Raj R., Gayathri Mohan, Padmaja, K P. and **Maliekal TT.** (2021) Reporters of cancer stem cells as a tool for drug discovery **Frontiers in Oncology** DOI: fonc.2021.669250) (IF 6.244)
8. Abraham, P., Jose, L., **Maliekal, T.T.**, Kumar, R.A., and Kumar, K.S. B1CTcu5: A frog-derived brevinin-1 peptide with anti-tuberculosis activity. **Peptides** (2020) **132**: 170373.(IF 3.750)
9. Shanmugam G, Mohan A, Kumari K, Louis JM, Krishnan US, Balagopal P, George NA, Sebastian P, **Maliekal TT**(2019) A novel reporter construct for screening small molecule inhibitors that specifically target self-renewing cancer cells. **Experimental cell research** **383**(2):111551.(IF 3.905)
10. Abraham P, **Maliekal TT** (2017) Single cell biology beyond the era of antibodies: relevance, challenges, and promises in biomedical research. **Cell Mol Life Sci** **74**: 1177-1189. (IF 9.261)
11. Suganya SA, Kochurani KJ, Nair MG, Louis JM, Sankaran S, Rajagopal R, Kumar KS, Abraham P, P GB, Sebastian P, **Maliekal T.T.** (2016) TM1-IR680 peptide for assessment of surgical margin and lymph node metastasis in murine orthotopic model of oral cancer. **Sci Rep** **6**: 36726 (IF 4.379)
12. Ammothumkandy A, **Maliekal TT**, Bose MV, Rajkumar T, Shirley S, Thejaswini B, Giri VG, Krishna S (2016) CD66 and CD49f expressing cells are associated with distinct neoplastic phenotypes and progression in human cervical cancer. **Eur J Cancer** **60**: 166-178 (IF 9.162)
13. Kochurani KJ, Suganya AA, Nair MG, Louis JM, Majumder A, Kumar SK, Abraham P, Dutta D, **Maliekal TT** (2015) Live detection and purification of cells based on the expression of a histone chaperone, HIRA, using a binding peptide. **Sci Rep** **5**: 17218 (IF 4.379)

14. Vinod BS, **Maliekal TT**, Anto RJ (2013) Phytochemicals as chemosensitizers: from molecular mechanism to clinical significance. *Antioxid Redox Signal* 18: 1307-1348 (IF 8.401)
15. Richard V, Sebastian P, Nair MG, Nair SN, **Malieckal TT**, Santhosh Kumar TR, Pillai MR (2013) Multiple drug resistant, tumorigenic stem-like cells in oral cancer. *Cancer Lett* 338: 300-316. (IF 8.679)
16. Bajaj J, **Maliekal TT**, Vivien E, Pattabiraman C, Srivastava S, Krishnamurthy H, Giri V, Subramanyam D, Krishna S (2011) Notch signaling in CD66+ cells drives the progression of human cervical cancers. *Cancer Res* 71: 4888-4897. (IF 12.701)
17. Jayasee R.S<sup>\*</sup>, Aadruthi,S., **Tessy. M.** and Krishna, S.(2009) Cell Intrinsic And Extrinsic Factors In Cervical Carcinogenesis. *Indian journal of Medical Research* 130, 286-95 (IF 2.375)
18. Maliekal TT, Bajaj J, Giri V, Subramanyam D, Krishna S (2008) The role of Notch signaling in human cervical cancer: implications for solid tumors. *Oncogene* 27: 5110-5114 (IF 9.867)
19. Ramdass B, **Maliekal, T. T**, Lakshmi, S<sup>\*</sup>, Rehman, M., Rema, P., Nair, P. Mukherjee, G., Reddy, B. K., Krishna, S., and Radhakrishna Pillai, M(2007) Co-expression of Notch1 and NF- $\kappa$ B signaling pathway components in human cervical cancer progression: *Gynecol Oncol*,104, 352-361 (IF 5.482)
20. **Maliekal TT**, Anto RJ, Karunakaran D (2004) Differential activation of Smads in HeLa and SiHa cells that differ in their response to transforming growth factor-beta. *J Biol Chem* 279: 36287-36292 (IF 5.157)
21. **Maliekal TT**, Antony ML, Nair A, Paulmurugan R, Karunakaran D (2003) Loss of expression, and mutations of Smad 2 and Smad 4 in human cervical cancer. *Oncogene* 22: 4889-4897 (IF 9.867)
22. Nair,A.S., Venkatraman, M., **Maliekal,T.T.**, Nair, B. and Karunakaran, D.(2003): Nuclear Factor- $\kappa$ B is Constitutively Activated in High-grade Squamous Intraepithelial Lesions and Squamous Cell Carcinomas of the Human Uterine Cervix: *Oncogene* 22, 50-58. (9.867)
23. Anto, R.J., **Maliekal, T.T.** and Karunakaran, D.(2000): L-929 Cells Harboring Ectopically Expressed Rel A Resist Curcumin- induced Apoptosis. *Journal of Biological Chemistry*, 275, 15601-604 (IF 5.157)
24. **Maliekal, T. T.**, Sudha B., and Paulose, C.S(1997).: Kinetic Parameters of Thymidine Kinase and DNA Synthesis During Liver Regeneration: Role of thyroid Hormones. *Life Sciences* 1997; 60, 21 1867-1874 (IF 5.037)