

7. List of publication

A. PUBLICATIONS FROM PH.D. THESIS WORK

1. **Shinde, A.**, Jung, H., Lee, H., Singh, K., Roy, M., Gohel, D., ... & Singh, R. (2021). TNF- α differentially modulates subunit levels of respiratory electron transport complexes of ER/PR+ ve/- ve breast cancer cells to regulate mitochondrial complex activity and tumorigenic potential. *Cancer & metabolism*, 9(1), 1-15.
2. **Shinde A**, Nisha Chandaka, Jyoti Singh, Milton Roy, Minal Mane, Xiaoyun Tang, Fatema Currim, Hitesh Vasiyani, Dhruv Gohel, Shatakshi Shukla, Shani Goyani, Saranga MV, David N Brindley and Rajesh Singh. LYRM7 expression modulates the tumor growth and metastatic ability through NF- κ B in breast cancer cells. (Under Review)
3. **Shinde A**, Xiaoyun Tang, Rajesh Singh and David N Brindley. Infliximab, a monoclonal antibody against TNF- α , inhibits NF- κ B activation, autotaxin expression and breast cancer metastasis to lungs. (Under Review)

B. POSTER PRESENTATION IN NATIONAL AND INTERNATIONAL CONFERENCES

1. **Shinde A**, Xiaoyun Tang, Rajesh Singh and David Brindley. Infliximab (monoclonal antibody against TNF α) significantly reduces the breast cancer metastasis to lungs and decreases NF- κ B activation in BALB/c mice. CRINA 2022, Department of Oncology, University of Alberta, Alberta, Canada
2. **Shinde A**, Kritarth Singh, Hayun Lee, Milton Roy, Dhruv Gohel, Minal Mane, Anubhav Srivastava, Fatema Currim, Meenakshi Iyer, Eugene C. Yi, Rajesh Singh. TNF- α differentially regulates metabolic reprogramming in ER (+ve/-ve) breastcancer cells. All India Cell Biology Conference, BITS Pilani, Goa (21-23 December 2018)
3. **Shinde A**, Milton Roy, Minal Mane, Hitesh Vasiyani, Jyoti Singh, Dhruv Gohel, Fatema Currim, Shatakshi Shukla, Shanikumar Goyani, Saranga MV, Nisha Chandak and Rajesh Singh. TNF- α induced NF- κ B pathway regulates mitochondrial complex III protein LYRM7 levels which determines mitochondrial functions and breast cancer tumorigenesis. Mitochondrial Medicine – Therapeutic Development 2021- Vitrual Event. Wellcome Connecting Science, Wellcome Genome Campus, Uk, November 30 –

December 02, 2021.

C. PUBLICATIONS FROM OTHER ASSOCIATED WORK

1. Vasiyani H, **Shinde A**, Roy M, Mane M, Singh K, Singh J, Gohel D, Currim F, Vaidya K, Chhabria M, Singh R. The analog of cGAMP, c-di-AMP, activates STING mediated cell death pathway in estrogen receptor negative breast cancer cells. *Apoptosis*. 2021 Apr 10. doi: 10.1007/s10495-021-01669-x.
2. M. Roy, K. Singh, **Shinde A.**, J. Singh, M. Mane, S. Bedekar, Y. Tailor, D. Gohel, H. Vasiyani, F. Currim, R. Singh, TNF- α -induced E3 ligase, TRIM15 inhibits TNF- α -regulated NF- κ B pathway by promoting turnover of K63 linked ubiquitination of TAK1, (2021), *Cell Signal*, 91, (2022), 110210.
3. Vasiyani H, Mane M, Rana K, **Shinde A**, Roy M, Singh J, Gohel D, Currim F, Srivastava A Singh R. DNA damage induces STING mediated IL-6-STAT3 survival pathway in triple-negative breast cancer cells and decreased survival of breast cancer patients. *Apoptosis* 2022 Dec;27(11-12):961-78.
4. Gohel D, Sripada L, Prajapati P, Currim F, Roy M, Singh K, **Shinde A**, Mane M, Kotadia D, Tassone F, Charlet-Berguer and N, Singh R. Expression of expanded FMR1-CGG repeats alters mitochondrial miRNAs and modulates mitochondrial functions and cell death in cellular model of FXTAS. *Free Radic Biol Med*. 2021 Mar, Epub 2021 Jan 23. PubMed PMID: 33497798
5. F. Currim, J. Singh, **Shinde A**, D. Gohel. R. Singh*, “Exosome Release Is Modulated by the Mitochondrial-Lysosomal Crosstalk in Parkinson’s Disease Stress Conditions,” *Molecular Neurobiology*, vol. 165, pp. 100–110, 2021.
6. P. Prajapati, D. Gohel, **Shinde A**, M. Roy, K. Singh, and R. Singh*, “TRIM32 regulates mitochondrial mediated ROS levels and sensitizes the oxidative stress induced cell death,” *Cell. Signal.*, vol. 76, p.no. 109777, 2020.

7. Shukla S, Currim F, Singh J, Goyani S, Saranga MV, **Shinde A**, Mane M, Chandak N, Kishore S, Singh R. hsa-miR-320a mediated exosome release under PD stress conditions rescue mitochondrial ROS and cell death in the recipient neuronal and glial cells. *Int J Biochem Cell Biol.* 2023 Jul 8; 162:106439. doi: 10.1016/j.biocel.2023.106439. Epub ahead of print. PMID: 37429353.