

## Maya Sheth

Ph.D. Student in Bioengineering, admitted Summer 2022

### Publications

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#### PUBLICATIONS

- **A synthetic lethal screen for Snail-induced enzalutamide resistance identifies JAK/STAT signaling as a therapeutic vulnerability in prostate cancer.** *Frontiers in molecular biosciences*  
Ware, K. E., Thomas, B. C., Olawuni, P. D., Sheth, M. U., Hawkey, N., Yeshwanth, M., Miller, B. C., Vietor, K. J., Jolly, M. K., Kim, S. Y., Armstrong, A. J., Somarelli, J. A.  
2023; 10: 1104505
- **Loss of ATRX promotes aggressive features of osteosarcoma with increased NF- $\kappa$ B signaling and integrin binding.** *JCI insight*  
Bartholf DeWitt, S., Hoskinson Plumlee, S., Brighton, H. E., Sivaraj, D., Martz, E. J., Zand, M., Kumar, V., Sheth, M. U., Floyd, W., Spruance, J. V., Hawkey, N., Varghese, S., Ruan, et al  
2022; 7 (17)
- **Treatment of Chondroblastoma with Denosumab: A Case Report with a Correlative Analysis of Effect on the RANK Signaling Pathway.** *JBJS case connector*  
Visgauss, J. D., Lazarides, A., Dickson, B., Cardona, D., Sheth, M., DeWitt, S. B., Somarelli, J. A., Eward, W. C.  
2021; 11 (2)
- **A Comparative Oncology Drug Discovery Pipeline to Identify and Validate New Treatments for Osteosarcoma** *CANCERS*  
Somarelli, J. A., Rupprecht, G., Altunel, E., Flamant, E. M., Rao, S., Sivaraj, D., Lazarides, A. L., Hoskinson, S. M., Sheth, M. U., Cheng, S., Kim, S., Ware, K. E., Agarwal, et al  
2020; 12 (11)
- **From the Clinic to the Bench and Back Again in One Dog Year: How a Cross-Species Pipeline to Identify New Treatments for Sarcoma Illuminates the Path Forward in Precision Medicine** *FRONTIERS IN ONCOLOGY*  
Rao, S. R., Somarelli, J. A., Altunel, E., Selmic, L. E., Byrum, M., Sheth, M. U., Cheng, S., Ware, K. E., Kim, S., Prinz, J. A., Devos, N., Corcoran, D. L., Moseley, et al  
2020; 10: 117
- **Improving Cancer Drug Discovery by Studying Cancer across the Tree of Life** *MOLECULAR BIOLOGY AND EVOLUTION*  
Somarelli, J. A., Boddy, A. M., Gardner, H. L., DeWitt, S., Tuohy, J., Megquier, K., Sheth, M. U., Hsu, S., Thorne, J. L., London, C. A., Eward, W. C.  
2020; 37 (1): 11-17
- **Bioengineering a Future Free of Marine Plastic Waste** *FRONTIERS IN MARINE SCIENCE*  
Sheth, M. U., Kwartler, S. K., Schmaltz, E. R., Hoskinson, S. M., Martz, E. J., Dunphy-Daly, M. M., Schultz, T. F., Read, A. J., Eward, W. C., Somarelli, J. A.  
2019; 6
- **An Integrative Systems Biology and Experimental Approach Identifies Convergence of Epithelial Plasticity, Metabolism, and Autophagy to Promote Chemoresistance** *JOURNAL OF CLINICAL MEDICINE*  
Xu, S., Ware, K. E., Ding, Y., Kim, S., Sheth, M. U., Rao, S., Chan, W., Armstrong, A. J., Eward, W. C., Jolly, M., Somarelli, J. A.  
2019; 8 (2)
- **Hybrid epithelial/mesenchymal phenotypes promote metastasis and therapy resistance across carcinomas** *PHARMACOLOGY & THERAPEUTICS*  
Jolly, M., Somarelli, J. A., Sheth, M., Biddle, A., Tripathi, S. C., Armstrong, A. J., Hanash, S. M., Bapat, S. A., Rangarajan, A., Levine, H.  
2019; 194: 161-184