

Nguyen, Khoa Bibliography

Nguyen, K., Mills P.O., Blair, R., Collins-Burow, B.M., Burow, M.E., 2022. Old Disease in a Young Mouse: Case Report for Lymphocytic Leukemia in an 11-Week-Old Female SCID/Beige Mouse. *Journal of Veterinary Science & Medical Diagnosis*, DOI: 10.4172/2325-9590.306

Nguyen, K., Yousefi, H., Cheng, T., Magrath, J., Hartono, A.B., Alzoubi, M., Hebert, K., Brock, C.K., Wright, M.K., Byrne, C.E., Rivera, A., Okpechi, S.C., Matossian, M.D., Wathieu, H., Elliott, S., Mondrinos, M.J., Lee, S.B., Collins-Burow, B.M., Alahari, S.K., Drewry, D.H., Burow, M.E., 2022. Expression of Novel Kinase MAP3K19 in Various Cancers and Survival Correlations. *Frontiers in Bioscience-Landmark*, 27(6), p.196.

Nguyen K, McConnell E, Edwards O, Collins-Burow BM, Burow ME. GD2+ cancer stem cells in triple negative breast cancer: mechanisms of resistance to breast cancer therapies. *Cancer Drug Resist* 2022;5:721-6. <https://dx.doi.org/10.20517/cdr.2022.30>.

King, C., Matossian, M., Savoie, J., **Nguyen, K.**, Wright, M., Byrne, C.E., Elliott, S., Burks, H., Bratton, M., Pashos, N. and Bunnell, B.A., Liver kinase B1 Regulates Remodeling of the Tumor Microenvironment in Triple-Negative Breast Cancer. *Frontiers in Molecular Biosciences*, 9, 847505.

Yousefi, H., Delavar, M.R., Piroozian, F., Baghi, M., **Nguyen, K.**, Cheng, T., Vittori, C., Worthylake, D. and Alahari, S.K., 2022. Hippo signaling pathway: A comprehensive gene expression profile analysis in breast cancer. *Biomedicine & Pharmacotherapy*, 151, p.113144.

Nguyen, K., Tran, M.N., Rivera, A., Cheng, T., Windsor, G.O., Chabot, A.B., Cavanaugh, J.E., Collins-Burow, B.M., Lee, S.B., Drewry, D.H. and Flaherty, P.T., 2022. MAP3K Family Review and Correlations with Patient Survival Outcomes in Various Cancer Types. *Frontiers in Bioscience-Landmark*, 27(5), p.167.

Jaggupilli, A., Ly, S., **Nguyen, K.**, Anand, V., Yuan, B., El-Dana, F., Yan, Y., Arvanitis, Z., Piyarathna, D.W.B., Putluri, N. and Piwnicka-Worms, H., 2022. Metabolic stress induces GD2+ cancer stem cell-like phenotype in triple-negative breast cancer. *British journal of cancer*, 126(4), pp.615-627.

Okpechi, S.C., Yousefi, H., **Nguyen, K.**, Cheng, T., Alahari, N.V., Collins-Burow, B., Burow, M.E. and Alahari, S.K., 2022. Role of Nischarin in the pathology of diseases: a special emphasis on breast cancer. *Oncogene*, pp.1-8.

Matossian MD, Chang T, Wright MK, Burks HE, Elliott S, Sabol RA, Wathieu H, Windsor GO, Alzoubi MS, King CT, Bursavich JB, Ham AM, Savoie JJ, **Nguyen K**, Baddoo M, Flemington E, Sirenko O, Cromwell EF, Hebert KL, Lau F, IZADPANAH R, Brown H, Sinha S, Zabaleta J, Riker AI, Moroz K, Miele L, Zea AH, Ochoa A, Bunnell BA, Collins-Burow BM, Martin EC, Burow ME. In-depth characterization of a new patient-derived xenograft model for metaplastic breast carcinoma to identify viable biologic targets and patterns of matrix evolution within rare tumor types. *Clinical and Translational Oncology*, 24(1), pp.127-144.

Nguyen, K., Rivera, A., Alzoubi, M., Wathieu, H., Dong, S., Yousefi, H., Matossian, M., Alahari, S., Drewry, D., Burow, M. and Collins-Burow, B., 2021. Evaluation of liver kinase B1 downstream signaling expression in various breast cancers and relapse free survival after systemic chemotherapy treatment. *Oncotarget*, 12(11), p.1110.

Brock, C.K., Hebert, K.L., Artiles, M., Wright, M.K., Cheng, T., Windsor, G.O., **Nguyen, K.**, Alzoubi, M.S., Collins-Burow, B.M., Martin, E.C. and Lau, F.H., 2021. A Role for Adipocytes and Adipose Stem Cells in the Breast Tumor Microenvironment and Regenerative Medicine. *Frontiers in physiology*, p.2115.

Matossian, M.D., Giardina, A.A., Wright, M.K., Elliott, S., Loch, M.M., **Nguyen, K.**, Zea, A.H., Lau, F.H., Moroz, K., Riker, A.I. and Jones, S.D., 2020. Patient-Derived Xenografts as an Innovative Surrogate Tumor Model for the Investigation of Health Disparities in Triple Negative Breast Cancer. *Women's Health Reports*, 1(1), pp.383-392.

Matossian MD, Burks HE, Elliott S, Hoang VT, Zuercher WJ, Wells C, Drewry DH, Kapadia N, Chang T, Yan T, Windsor GO, **Nguyen K**, Fang F, Nephew KP, Buechlein A, Rusch DB, Sabol RA, Ucar DA, Zabaleta J, Miele L, Bunnell BA, Collins-Burow BM, Burow ME 2020. A novel screening approach comparing kinase activity of small molecule inhibitors with similar molecular structures and distinct biologic effects in triple negative breast cancer to identify targetable signaling pathways. *Anti-cancer drugs*, 31(8), p.759.

Amin Izadpanah

Izadpanah A, Rappaport J, Datta PK. Epitranscriptomics of SARS-CoV-2 Infection. *Front Cell Dev Biol*. 2022 Apr 8;10:849298. doi: 10.3389/fcell.2022.849298. PMID: 35465335; PMCID: PMC9032796.

Izadpanah A, Rappaport J. Engineering monoclonal antibodies for COVID-19 prophylaxis. *Med (N Y)*. 2022 Mar 11;3(3):157-158. doi: 10.1016/j.medj.2022.02.004. PMID: 35291730; PMCID: PMC8915435.

Yaghoubi H, Izadpanah A, Nedaei S, Akbari H, Mikaeiliagah E, Mostany R, Chandrasekar B, Alt E, Izadpanah R. Anti-Cancer and Anti-Bacterial Effects of *Terfezia boudieri*-Derived Silver Nanoparticles. *Comb Chem High Throughput Screen*. 2021;24(10):1714-1726. doi: 10.2174/1386207323999201117113401. PMID: 33208063.

Juliet Strauss

Park VS, Sun MJS, Frey WD, Williams LG, Hodel KP, Strauss JD, Wellens SJ, Jackson JG, Pursell ZF. Mouse model and human patient data reveal critical roles for Pten and p53 in suppressing POLE mutant tumor development. *NAR Cancer*. 2022 Mar 3;4(1):zcac004. doi: 10.1093/narcan/zcac004. PMID: 35252866; PMCID: PMC8892059.

Natalya Motyka

Motyka, N. I., Stewart, S. R., Porretta, C. P., Hollifield, I. E., Bauer, D. L., Bitoun, J. P. (2022). Enterotoxigenic *Escherichia coli* (ETEC) enterotoxins regulate epithelial to immune relay of IL-33 and IL-1Ra cytokines. *Infection and Immunity*, 90(3):e00637-21.

Motyka, N. I., Stewart, S. R., Hollifield, I. E., Kylo, T. R., Mansfield, J. A., Norton, E. B., Clements, J. D., Bitoun, J. P. (2021). Elevated Extracellular cGMP Produced after Exposure to Enterotoxigenic *Escherichia coli* Heat-Stable Toxin Induces Epithelial IL-33 Release and Alters Intestinal Immunity. *Infection and Immunity*, 89(4):e00707-20.

Kiefer, M. C., **Motyka, N. I.**, Clements, J. D., & Bitoun, J. P. (2020). Enterotoxigenic *Escherichia coli* heat-stable toxin (ST) increases the rate of zinc release from metallothionein and is a zinc- and iron-binding peptide. *mSphere*, 5(2):e00146-20.

Baker, S. M., Davitt, C. J. H., **Motyka, N. I.**, Kikendall, N. L., Russell-Lodrigue, K., Roy, C. J., & Morici, L. A. (2017). A *Burkholderia pseudomallei* Outer Membrane Vesicle Vaccine Provides Cross Protection against Inhalational Glanders in Mice and Non-Human Primates. *Vaccines*, 5(4), 49.

Ashkan Shahbandi

TP53 Mutations and Outcomes in Breast Cancer: Reading beyond the Headlines.
Shahbandi A, Nguyen HD, Jackson JG. *Trends Cancer*. 2020 Feb;6(2):98-110. doi: 10.1016/j.trecan.2020.01.007 .PMID: 32061310

Fenton A, Elliott E, Shahbandi A, Ezenwa E, Morris C, McLawhorn J, Jackson JG, Allen P, Murina A Medical students' ability to diagnose common dermatologic conditions in skin of color. *J Am Acad Dermatol*. 2020 Sep;83(3):957-958. doi: 10.1016/j.jaad.2019.12.078. Epub 2020 Feb 1.PMID: 32017947

Tonnessen-Murray CA, Frey WD, Rao SG, Shahbandi A, Ungerleider NA, Olayiwola JO, Murray LB, Vinson BT, Chrisey DB, Lord CJ, Jackson JG Chemotherapy-induced senescent

cancer cells engulf other cells to enhance their survival. *J Cell Biol.* 2019 Nov 4;218(11):3827-3844. doi: 10.1083/jcb.201904051.

Shahbandi A, Rao SG, Anderson AY, Frey WD, Olayiwola JO, Ungerleider NA, Jackson JG. BH3 mimetics selectively eliminate chemotherapy-induced senescent cells and improve response in TP53 wild-type breast cancer. *Cell Death Differ.* 2020 Nov;27(11):3097-3116.

Ungerleider NA, Rao SG, Shahbandi A, Yee D, Niu T, Frey WD, Jackson JG. Breast cancer survival predicted by TP53 mutation status differs markedly depending on treatment. *Breast Cancer Res.* 2018 Oct 1;20(1):115.

Shahbandi A, Jackson JG. Analysis across multiple tumor types provides no evidence that mutant p53 exerts dominant negative activity. *NPJ Precis Oncol.* 2019 Jan 7;3:1.