DAFTAR PUSTAKA

Abdelaal, N., Ragheb, M. A., Hassaneen, H. M., Elzayat, E. M., & Abdelhamid, I. A. (2024). Design, in silico studies and biological evaluation of novel chalcones tethered triazolo[3,4-a]isoquinoline as EGFR inhibitors targeting resistance in non-small cell lung cancer. *Scientific Reports*, *14*(1), 26647. https://doi.org/10.1038/s41598-024-76459-x

Aghamiri, S., Mehrjardi, K. F., Shabani, S., Keshavarz-Fathi, M., Kargar, S., & Rezaei, N. (2019). Nanoparticle-siRNA: A potential strategy for ovarian cancer therapy? *Nanomedicine*, *14*(15), 2083–2100. https://doi.org/10.2217/nnm-2018-0379

Agu, P. C., Afiukwa, C. A., Orji, O. U., Ezeh, E. M., Ofoke, I. H., Ogbu, C. O., Ugwuja, E. I., & Aja, P. M. (2023). Molecular docking as a tool for the discovery of molecular targets of nutraceuticals in diseases management. *Scientific Reports*, *13*(1), 13398. https://doi.org/10.1038/s41598-023-40160-2

Almosa, H., Alqriqri, M., Denetiu, I., Baghdadi, M. A., Alkhaled, M., Alhosin, M., Aldajani, W. A., Zamzami, M., Ucisik, M. H., & Damiati, S. (2020). Cytotoxicity of Standardized Curcuminoids Mixture against Epithelial Ovarian Cancer Cell Line SKOV-3. *Scientia Pharmaceutica*, *88*(1), Article 1. https://doi.org/10.3390/scipharm88010011

Almowallad, S., Alqahtani, L. S., & Mobashir, M. (2022). NF-kB in Signaling Patterns and Its Temporal Dynamics Encode/Decode Human Diseases. *Life*, *12*(12), Article 12. https://doi.org/10.3390/life12122012

Banik, S., Rakshit, S., & Sarkar, K. (2021). The Role of STAT1 in T Helper Cell Differentiation during Breast Cancer Progression. *Journal of Breast Cancer*, *24*(3), 253–265. https://doi.org/10.4048/jbc.2021.24.e34

Barnes, B. M., Nelson, L., Tighe, A., Morgan, R. D., McGrail, J., & Taylor, S. S. (2020). *Classification of ovarian cancer cell lines using transcriptional profiles defines the five major pathological subtypes*. https://doi.org/10.1101/2020.07.14.202457

Basu, M., Mukhopadhyay, S., Chatterjee, U., & Roy, S. S. (2014). FGF16 Promotes Invasive Behavior of SKOV-3 Ovarian Cancer Cells through Activation of Mitogen-activated Protein Kinase (MAPK) Signaling Pathway*. *Journal of Biological Chemistry*, *289*(3), 1415–1428. https://doi.org/10.1074/jbc.M113.535427

Bi, Y., Kong, P., Zhang, L., Cui, H., Xu, X., Chang, F., Yan, T., Li, J., Cheng, C., Song, B., Niu, X., Liu, X., Liu, X., Xu, E., Hu, X., Qian, Y., Wang, F., Li, H., Ma, Y., … Cheng, X. (2019). EP300 as an oncogene correlates with

poor prognosis in esophageal squamous carcinoma. *Journal of Cancer*, *10*(22), 5413–5426. https://doi.org/10.7150/jca.34261

Birbo, B., Madu, E. E., Madu, C. O., Jain, A., & Lu, Y. (2021). Role of HSP90 in Cancer. *International Journal of Molecular Sciences*, *22*(19), Article 19. https://doi.org/10.3390/ijms221910317

Borsci, G., Barbieri, S., Guardamagna, I., Lonati, L., Ottolenghi, A., Ivaldi, G. B., Liotta, M., Fatis, P., Baiocco, G., & Savio, M. (2020). *Frontiers | Immunophenotyping Reveals No Significant Perturbation to PBMC Subsets When Co-cultured With Colorectal Adenocarcinoma Caco-2 Cells Exposed to X-Rays*. https://www.frontiersin.org/journals/immunology/articles/10.3389/fimmu.2020.01077/full

Brunhofer-Bolzer, G., Le, T., Dyckmanns, N., Knaus, H. A., Pausz, C., Freund, P., Jäger, U., Erker, T., & Vanura, K. (2015). SAR-Guided Development and Characterization of a Potent Antitumor Compound toward B-Cell Neoplasms with No Detectable Cytotoxicity toward Healthy Cells. *Journal of Medicinal Chemistry*, *58*(3), 1244–1253. https://doi.org/10.1021/jm501848m

Budiana, I. N. G. (2021). *Characteristics of ovarian malignancy in Bali province, Indonesia*. *76*(3).

Chen, S., Liu, Z., Wu, H., Wang, B., Ouyang, Y., Liu, J., Zheng, X., Zhang, H., Li, X., Feng, X., Li, Y., Shen, Y., Zhang, H., Xiao, B., Yu, C., & Deng, W. (2024). Adipocyte-rich microenvironment promotes chemoresistance via upregulation of peroxisome proliferator-activated receptor gamma/ABCG2 in epithelial ovarian cancer. *International Journal of Molecular Medicine*, *53*(4), 1–21. https://doi.org/10.3892/ijmm.2024.5361

Chen, Y., Wang, D., Wu, Y., Su, D., Zhou, T., Gai, R., Fu, Y., Zheng, L., He, Q., Zhu, H., & Yang, B. (2017). MDM2 promotes epithelial–mesenchymal transition and metastasis of ovarian cancer SKOV3 cells. *British Journal of Cancer*, *117*, 1192–1201. https://doi.org/10.1038/bjc.2017.265

Chu, S., Liu, Y., Zhang, L., Liu, B., Li, L., Shi, J., & Li, L. (2013). Regulation of survival and chemoresistance by HSP90AA1 in ovarian cancer SKOV3 cells. *Molecular Biology Reports*, *40*(1), 1–6. https://doi.org/10.1007/s11033-012-1930-3

Clemente, C. M., Prieto, J. M., & Martí, M. (2024). Unlocking Precision Docking for Metalloproteins. *Journal of Chemical Information and Modeling*, *64*(5), 1581–1592. https://doi.org/10.1021/acs.jcim.3c01853

Cong, H., Zhao, X., Castle, B. T., Pomeroy, E. J., Zhou, B., Lee, J., Wang, Y., Bian, T., Miao, Z., Zhang, W., Sham, Y. Y., Odde, D. J., Eckfeldt, C. E., Xing, C., & Zhuang, C. (2018). An Indole–Chalcone Inhibits Multidrug-Resistant Cancer Cell Growth by Targeting Microtubules. *Molecular Pharmaceutics*, *15*(9), 3892–3900. https://doi.org/10.1021/acs.molpharmaceut.8b00359

Czogalla, B., Dötzer, K., Sigrüner, N., Koch, F. V. von, Brambs, C., Anthuber, S., Frangini, S., Burges, A., Werner, J., Mahner, S., & Mayer, B. (2022). Combined Expression of HGFR with Her2/neu, EGFR, IGF1R, Mucin-1 and Integrin α2β1 Is Associated with Aggressive Epithelial Ovarian Cancer. *Biomedicines*, *10*. https://doi.org/10.3390/biomedicines10112694

de Souza, G. A., Chaves, L. de S., Velez, A. S. M. M., Lacerda, J. L. F., Pitasse-Santos, P., dos Santos, J. C. C., Chaves, O. A., Serpa, C., Valente, R. do C., da Fonseca, L. M., da Costa Santos, M. A. R., dos Reis, J. S., Santos, C. A. do N., Mendonça-Previato, L., Previato, J. O., Freire-de-Lima, C. G., Decoté-Ricardo, D., Freire-de-Lima, L., & de Lima, M. E. F. (2025). Design and Synthesis of Bis-Chalcones as Curcumin Simplified Analogs and Assessment of Their Antiproliferative Activities Against Human Lung Cancer Cells and Trypanosoma cruzi Amastigotes. *Pharmaceuticals*, *18*(4), 456. https://doi.org/10.3390/ph18040456

Desai, S. J., Prickril, B., & Rasooly, A. (2018). Mechanisms of phytonutrient modulation of Cyclooxygenase-2 (COX-2) and inflammation related to cancer. *Nutrition and Cancer*, *70*(3), 350–375. https://doi.org/10.1080/01635581.2018.1446091

Diaz, J., Wuertz, B., Galbraith, A., & Ondrey, F. G. (2016). Abstract 2611: Effects of chalcones, nicotinamide, and resveratrol on PPAR gamma activation in oral cancer cells. *Cancer Research*, *76*(14_Supplement), 2611–2611. https://doi.org/10.1158/1538-7445.AM2016-2611

Dutta Gupta, S., Snigdha, D., Mazaira, G. I., Galigniana, M. D., Subrahmanyam, C. V. S., Gowrishankar, N. L., & Raghavendra, N. M. (2014). Molecular docking study, synthesis and biological evaluation of Schiff bases as Hsp90 inhibitors. *Biomedicine & Pharmacotherapy*, *68*(3), 369–376. https://doi.org/10.1016/j.biopha.2014.01.003

Emmanuel, O., Okeke, S. N., Rozina, Dike, E. D., Bello, A.-R. E., Ahuchaogu, A. A., Elekwachi, C., & Iwuchukwu, B. O. (2024). Role of plant-derived compounds in immune enhancement against uncontrollable cell proliferation. *Brain Behavior and Immunity Integrative*, *8*, 100088. https://doi.org/10.1016/j.bbii.2024.100088

Engeland, K. (2022). Cell cycle regulation: P53-p21-RB signaling. *Cell Death & Differentiation*, *29*(5), 946–960. https://doi.org/10.1038/s41418-022-00988-z

Feng, G. (2011). Study on Optimual Condition of MTT in PBMC Transformation. *Progress in Veterinary Medicine*. https://consensus.app/papers/study-on-optimual-condition-of-mtt-in-pbmc-transformation-feng/24fe544bf65b57abb4a1e942e0642e75/

Ferri-Borgogno, S., Yeung, T.-L., York, E., Talor, M., Pacheco, Y., Nurieva, R., Birrer, M., & Mok, S. (2024). Abstract A094: CAF-derived MFAP5 enhances immune escape through up-regulating immune checkpoint mediator CD47 in ovarian cancer cells and CD8+ T cells. *Cancer Research*, *84*(5_Supplement_2), A094. https://doi.org/10.1158/1538-7445.OVARIAN23-A094

Fezza, M., Hilal, G., Tahtouh, R., Moubarak, M., & Atallah, D. (2023). HSP27 modulates tumoural immune evasion by enhancing STAT3-mediated upregulation of PD-L1 and NLRC5 in ovarian cancer. *Ecancermedicalscience*, *17*, 1526. https://doi.org/10.3332/ecancer.2023.1526

Fitriani, N., Sutrisna, B., & Pelupessy, N. U. (2020). Survival Analysis of Ovarian Cancer Patients based on Age at The Dr. Wahidin Sudirohusodo Makassar Hospital in 2014-2018. *Indian Journal of Public Health Research & Development*. https://doi.org/10.37506/ijphrd.v11i6.10004

Flachsenberg, F., Ehrt, C., Gutermuth, T., & Rarey, M. (2024). Redocking the PDB. *Journal of Chemical Information and Modeling*, *64*(1), 219–237. https://doi.org/10.1021/acs.jcim.3c01573

Fujiwara, S., Terada, S., Kogata, Y., Maruoka, H., Tanaka, Y., Tanaka, T., Tsunetoh, S., Sasaki, H., & Ohmichi, M. (2019). GPR30 signaling to regulate epithelial-mesenchymal transition and predict survival in ovarian cancer. *Journal of Clinical Oncology*. https://doi.org/10.1200/JCO.2019.37.15_SUPPL.E17041

Gandhi, G. R., Neta, M. T. S. L., Sathiyabama, R. G., Quintans, J. D. S. S., De Oliveira E Silva, A. M., Araújo, A. A. D. S., Narain, N., Júnior, L. J. Q., & Gurgel, R. Q. (2018). Flavonoids as Th1/Th2 cytokines immunomodulators: A systematic review of studies on animal models. *Phytomedicine*, *44*, 74–84. https://doi.org/10.1016/j.phymed.2018.03.057

Gandhi, J., Khera, L., Gaur, N., Paul, C., & Kaul, R. (2017). Role of Modulator of Inflammation Cyclooxygenase-2 in Gammaherpesvirus Mediated

Tumorigenesis. *Frontiers in Microbiology*, *8*. https://doi.org/10.3389/fmicb.2017.00538

Garofalo, M., Grazioso, G., Cavalli, A., & Sgrignani, J. (2020). How Computational Chemistry and Drug Delivery Techniques Can Support the Development of New Anticancer Drugs. *Molecules*, *25*(7), Article 7. https://doi.org/10.3390/molecules25071756

Ge, W., Wang, H., Wu, X., Dong, B., Lu, Q., & Tian, M. (2024). Unique fluorescent probe for the recognition of late apoptosis via translocation from plasma membrane to nucleus. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *313*, 124095. https://doi.org/10.1016/j.saa.2024.124095

Gerstberger, S., Jiang, Q., & Ganesh, K. (2023). Metastasis. *Cell*, *186*(8), 1564–1579. https://doi.org/10.1016/j.cell.2023.03.003

Ghosh, S., Basu, M., & Roy, S. (2012). ETS-1 Protein Regulates Vascular Endothelial Growth Factor-induced Matrix Metalloproteinase-9 and Matrix Metalloproteinase-13 Expression in Human Ovarian Carcinoma Cell Line SKOV-3*. *The Journal of Biological Chemistry*, *287*, 15001–15015. https://doi.org/10.1074/jbc.M111.284034

Gomez, C., Martinez, L., Mesa, A., Duque, J. C., Escobar, L. A., Pham, S. M., & Vazquez-Padron, R. I. (2015). Oxidative stress induces early-onset apoptosis of vascular smooth muscle cells and neointima formation in response to injury. *Bioscience Reports*, *35*(4), e00227. https://doi.org/10.1042/BSR20140122

Gou, Q., Zhang, W., Xu, Y., Jin, J., Liu, Q., Hou, Y., & Shi, J. (2021). EGFR/PPARδ/HSP90 pathway mediates cancer cell metabolism and chemoresistance. *Journal of Cellular Biochemistry*, *122*(3–4), 394–402. https://doi.org/10.1002/jcb.29868

Gronkowska, K., & Robaszkiewicz, A. (2024). Genetic dysregulation of EP300 in cancers in light of cancer epigenome control – targeting of p300-proficient and -deficient cancers. *Molecular Therapy Oncology*, *32*(4), 200871. https://doi.org/10.1016/j.omton.2024.200871

Guo, G., Gong, K., Wohlfeld, B., Hatanpaa, K. J., Zhao, D., & Habib, A. A. (2015). Ligand-Independent EGFR Signaling. *Cancer Research*, *75*(17), 3436–3441. https://doi.org/10.1158/0008-5472.CAN-15-0989

Hallas-Potts, A., Dawson, J. C., & Herrington, C. S. (2019). Ovarian cancer cell lines derived from non-serous carcinomas migrate and invade more aggressively than those derived from high-grade serous carcinomas.

Scientific Reports, *9*(1), 5515. https://doi.org/10.1038/s41598-019-41941-4

Han, Y., Lee, S. H., Lee, I.-S., & Lee, K. Y. (2017). Regulatory effects of 4-methoxychalcone on adipocyte differentiation through PPARγ activation and reverse effect on TNF-α in 3T3-L1 cells. *Food and Chemical Toxicology*, *106*, 17–24. https://doi.org/10.1016/j.fct.2017.05.032

Hanachi, P., Rezaei Fakhrnezhad, F., Zarringhalami, R., & Erdogan Orhan, I. (2021). Cytotoxicity of Ocimum basilicum and Impatiens walleriana Extracts on AGS and SKOV-3 Cancer Cell Lines by Flow Cytometry Analysis. *International Journal of Cancer Management*, *14*(3). https://doi.org/10.5812/ijcm.102610

Harrington, B., & Annunziata, C. (2019). NF-κB Signaling in Ovarian Cancer. *Cancers*, *11*. https://doi.org/10.3390/cancers11081182

Hashem, H., Hassan, A., Abdelmagid, W. M., Habib, A. G. K., Abdel-Aal, M., Elshamsy, A. M., Zawily, A. E., Radwan, I. T., Bräse, S., Abdel-Samea, A. S., & Rabea, S. M. (2024). Synthesis of New Thiazole-Privileged Chalcones as Tubulin Polymerization Inhibitors with Potential Anticancer Activities. *Pharmaceuticals*, *17*. https://doi.org/10.3390/ph17091154

Hashemi Goradel, N., Najafi, M., Salehi, E., Farhood, B., & Mortezaee, K. (2019). Cyclooxygenase-2 in cancer: A review. *Journal of Cellular Physiology*, *234*(5), 5683–5699. https://doi.org/10.1002/jcp.27411

Hermawan, A., Wulandari, F., Hanif, N., Utomo, R. Y., Jenie, R. I., Ikawati, M., & Tafrihani, A. S. (2022). Identification of potential targets of the curcumin analog CCA-1.1 for glioblastoma treatment: Integrated computational analysis and in vitro study. *Scientific Reports*, *12*(1), 13928. https://doi.org/10.1038/s41598-022-18348-9

Hernandez-Quiles, M., Broekema, M. F., & Kalkhoven, E. (2021). PPARgamma in Metabolism, Immunity, and Cancer: Unified and Diverse Mechanisms of Action. *Frontiers in Endocrinology*, *12*. https://doi.org/10.3389/fendo.2021.624112

Huang, X. Y., Shan, Z. J., Zhai, H. L., Su, L., & Zhang, X. Y. (2011). Study on the Anticancer Activity of Coumarin Derivatives by Molecular Modeling. *Chemical Biology & Drug Design*, *78*(4), 651–658. https://doi.org/10.1111/j.1747-0285.2011.01195.x

Huo, J., Li, J., & Jiang, S. (2024). Transition of iPB-1 with low molecular weight crystallized from solutions. *Soft Matter*, *20*(24), 4663–4668. https://doi.org/10.1039/D4SM00369A

Jang, D., Lee, A.-H., Shin, H.-Y., Song, H.-R., Park, J.-H., Kang, T.-B., Lee, S.-R., & Yang, S.-H. (2021). The Role of Tumor Necrosis Factor Alpha (TNF-α) in Autoimmune Disease and Current TNF-α Inhibitors in Therapeutics. *International Journal of Molecular Sciences*, *22*(5), 2719. https://doi.org/10.3390/ijms22052719

Javanmard, A., & Montanari, A. (2018). Online Rules for Control of False Discovery Rate and False Discovery Exceedance. *The Annals of Statistics*, *46*(2), 526–554.

Jayson, G. C., Kohn, E. C., Kitchener, H. C., & Ledermann, J. A. (2014). Ovarian cancer. *The Lancet*, *384*(9951), 1376–1388. https://doi.org/10.1016/S0140-6736(13)62146-7

Jean-Quartier, C., Jeanquartier, F., Jurisica, I., & Holzinger, A. (2018). In silico cancer research towards 3R. *BMC Cancer*, *18*(1), 408. https://doi.org/10.1186/s12885-018-4302-0

Jin, J.-Q., Han, J.-S., Ha, J., Baek, H.-S., & Lim, D.-J. (2021). Lobeglitazone, A Peroxisome Proliferator-Activated Receptor-Gamma Agonist, Inhibits Papillary Thyroid Cancer Cell Migration and Invasion by Suppressing p38 MAPK Signaling Pathway. *Endocrinology and Metabolism*, *36*(5), 1095–1110. https://doi.org/10.3803/EnM.2021.1155

Kappelmann, M., Bosserhoff, A., & Kuphal, S. (2014). AP-1/c-Jun transcription factors: Regulation and function in malignant melanoma. *European Journal of Cell Biology*, *93*(1), 76–81. https://doi.org/10.1016/j.ejcb.2013.10.003

Kerneur, C., Cano, C. E., & Olive, D. (2022). Major pathways involved in macrophage polarization in cancer. *Frontiers in Immunology*, *13*, 1026954. https://doi.org/10.3389/fimmu.2022.1026954

Larionova, I., Cherdyntseva, N., Liu, T., Patysheva, M., Rakina, M., & Kzhyshkowska, J. (2019). Interaction of tumor-associated macrophages and cancer chemotherapy. *OncoImmunology*, *8*(7), e1596004. https://doi.org/10.1080/2162402X.2019.1596004

Lee, S. (2025, July 25). *Cancer Cell Proliferation: A Comprehensive Guide*. Cancer Cell Proliferation: A Comprehensive Guide. https://www.numberanalytics.com/blog/cancer-cell-proliferation-guide

Leite, F. F., de Sousa, N. F., de Oliveira, B. H. M., Duarte, G. D., Ferreira, M. D. L., Scotti, M. T., Filho, J. M. B., Rodrigues, L. C., de Moura, R. O., Mendonça-Junior, F. J. B., & Scotti, L. (2023). Anticancer Activity of Chalcones and Its Derivatives: Review and In Silico Studies. *Molecules*, *28*(10), Article 10. https://doi.org/10.3390/molecules28104009

Li, D.-H., Liu, X.-K., Tian, X.-T., Liu, F., Yao, X.-J., & Dong, J.-F. (2023). PPARG: A Promising Therapeutic Target in Breast Cancer and Regulation by Natural Drugs. *PPAR Research*, *2023*(1), 4481354. https://doi.org/10.1155/2023/4481354

Li, Y., & Seto, E. (2016). HDACs and HDAC Inhibitors in Cancer Development and Therapy. *Cold Spring Harbor Perspectives in Medicine*, *6*(10), a026831. https://doi.org/10.1101/cshperspect.a026831

Li, Y., Yang, Z., Li, W., Xu, S., Wang, T., Wang, T., Niu, M., Zhang, S., Jia, L., & Li, S. (2016). TOPK promotes lung cancer resistance to EGFR tyrosine kinase inhibitors by phosphorylating and activating c-Jun. *Oncotarget*, *7*(6), 6748–6764. https://doi.org/10.18632/oncotarget.6826

Liu, C. L., Chen, Y. J., Fan, M. H., Liao, Y. J., & Mao, T. L. (2020). Characteristics of CD133-Sustained Chemoresistant Cancer Stem-Like Cells in Human Ovarian Carcinoma. *International Journal of Molecular Sciences*, *21*(18), 6467. https://doi.org/10.3390/ijms21186467

Liu, Z., Wu, H., Zhang, Y., & Wang, J. (2022). Revisiting cell culture media for immune cells: Has d-glucose been necessary? *Scandinavian Journal of Immunology*, *97*. https://doi.org/10.1111/sji.13244

Liu, Z.-L., Chen, H.-H., Zheng, L.-L., Sun, L.-P., & Shi, L. (2023). Angiogenic signaling pathways and anti-angiogenic therapy for cancer. *Signal Transduction and Targeted Therapy*, *8*(1), 1–39. https://doi.org/10.1038/s41392-023-01460-1

López-Reig, R., & López-Guerrero, J. A. (2020). The hallmarks of ovarian cancer: Proliferation and cell growth. *European Journal of Cancer Supplements*, *15*, 27–37. https://doi.org/10.1016/j.ejcsup.2019.12.001

Luo, S., Wang, J., Ma, Y., Yao, Z., & Pan, H. (2015). PPARγ inhibits ovarian cancer cells proliferation through upregulation of miR-125b. *Biochemical and Biophysical Research Communications*, *462*(2), 85–90. https://doi.org/10.1016/j.bbrc.2015.04.023

Mahafujul Alam, S. S., Mir, S. A., Samanta, A., Nayak, B., Ali, S., & Hoque, M. (2025). Immunoinformatics based designing of a multi-epitope cancer vaccine targeting programmed cell death ligand 1. *Scientific Reports*, *15*(1), 12420. https://doi.org/10.1038/s41598-025-87063-y

Martínez, G., Mijares, M. R., & De Sanctis, J. B. (2019). Effects of Flavonoids and Its Derivatives on Immune Cell Responses. *Recent Patents on Inflammation & Allergy Drug Discovery*, *13*(2), 84–104. https://doi.org/10.2174/1872213x13666190426164124

Mason, J., & Öhlund, D. (2023). Key aspects for conception and construction of co-culture models of tumor-stroma interactions. *Frontiers in Bioengineering and Biotechnology*, *11*. https://doi.org/10.3389/fbioe.2023.1150764

Masoumifeshani, E., Chojecki, M., Rutkowska-Zbik, D., & Korona, T. (2022). Association Complexes of Calix[6]arenes with Amino Acids Explained by Energy-Partitioning Methods. *Molecules*, *27*(22), Article 22. https://doi.org/10.3390/molecules27227938

Mehrotra, S. A. and R. (2016). An overview of Molecular Docking. *JSM Chemistry*, 0–0.

Mercogliano, M. F., Bruni, S., Mauro, F., Elizalde, P. V., & Schillaci, R. (2021). Harnessing Tumor Necrosis Factor Alpha to Achieve Effective Cancer Immunotherapy. *Cancers*, *13*(3), Article 3. https://doi.org/10.3390/cancers13030564

Merve Aydin, E., Canıtez, İ. S., Colombo, E., Princiotto, S., Passarella, D., Dallavalle, S., Christodoulou, M. S., & Durmaz Şahin, I. (2023). Targeting Ovarian Cancer with Chalcone Derivatives: Cytotoxicity and Apoptosis Induction in HGSOC Cells. *Molecules*, *28*(23), Article 23. https://doi.org/10.3390/molecules28237777

Mielczarek-Palacz, A., Sikora, J., Kondera-Anasz, Z., Mickiewicz, P., & Mickiewicz, A. (2016). Effect of Th1/Th2 cytokine administration on proinflammatory SKOV-3 cell activation. *Archives of Medical Science: AMS*, *12*(6), 1337–1347. https://doi.org/10.5114/aoms.2015.53143

Mishra, S. J., Khandelwal, A., Banerjee, M., Balch, M., Peng, S., Davis, R. E., Merfeld, T., Munthali, V., Deng, J., Matts, R., & Blagg, B. S. J. (2021). Selective Inhibition of the Hsp90α isoform. *Angewandte Chemie (International Ed. in English)*, *60*(19), 10547–10551. https://doi.org/10.1002/anie.202015422

Mohammed, H. H. H., El-Hafeez, A. A. A., Ebeid, K., Mekkawy, A. I., Abourehab, M. A. S., Wafa, E., Alhaj-Suliman, S. O., Salem, A., Ghosh, P., Abuo-Rahma, G., Hayallah, A., & Abbas, S. (2022). New 1,2,3-triazole linked ciprofloxacin-chalcones induce DNA damage by inhibiting human topoisomerase I& II and tubulin polymerization. *Journal of Enzyme Inhibition and Medicinal Chemistry*, *37*, 1346–1363. https://doi.org/10.1080/14756366.2022.2072308

Molaae, N., Mosayebi, G., Pishdadian, A., Ejtehadifar, M., & Ganji, A. (2017). *Evaluating the Proliferation of Human PeripheralBlood Mononuclear*

Cells Using MTT Assay. *2*, 25–28. https://doi.org/10.15171/IJBSM.2017.06

Molsis Inc. (2025, July 15). *Molecular Operating Environment (MOE) | MOEsaic | PSILO*. https://www.chemcomp.com/en/Products.htm

Montero, J. C., García-Alonso, S., Ocaña, A., & Pandiella, A. (2015). Identification of therapeutic targets in ovarian cancer through active tyrosine kinase profiling. *Oncotarget*, *6*(30), 30057–30071. https://doi.org/10.18632/oncotarget.4996

Montfort, A., Colacios, C., Levade, T., Andrieu-Abadie, N., Meyer, N., & Ségui, B. (2019). The TNF Paradox in Cancer Progression and Immunotherapy. *Frontiers in Immunology*, *10*. https://doi.org/10.3389/fimmu.2019.01818

Moradpoor, R., Gharebaghian, A., Shahi, F., Mousavi, A., Salari, S., Akbari, M. E., Ajdari, S., & Salimi, M. (2020). Identification and Validation of Stage-Associated PBMC Biomarkers in Breast Cancer Using MS-Based Proteomics. *Frontiers in Oncology*, *10*. https://doi.org/10.3389/fonc.2020.01101

Mrakovcic, M., Kleinheinz, J., & Fröhlich, L. F. (2019). P53 at the Crossroads between Different Types of HDAC Inhibitor-Mediated Cancer Cell Death. *International Journal of Molecular Sciences*, *20*(10), Article 10. https://doi.org/10.3390/ijms20102415

Mukherjee, J., Pierce, M., Huang, Y., Lin, A., & Chan, L. L.-Y. (2024). Abstract 356: Developing a multiplex assay to monitor apoptosis and necrosis using the Cellaca® PLX Image Cytometer. *Cancer Research*, *84*(6_Supplement), 356. https://doi.org/10.1158/1538-7445.AM2024-356

Mulawardhana, P., Hartono, P., Nugroho, H., & Ayuningtyas, A. (2021). Death of 43 Indonesian women with ovarian cancer: A case series. *International Journal of Surgery Case Reports*, *78*, 391–396. https://doi.org/10.1016/j.ijscr.2020.12.067

Murwanti, R., Rahmadani, A., Ritmaleni, R., Hermawan, A., & Sudarmanto, B. S. A. (2020). Curcumin Analogs Induce Apoptosis and G2/M Arrest In 4T1 Murine Triple-Negative Breast Cancer Cells. *Indonesian Journal of Pharmacy*, *31*(1), 11. https://doi.org/10.14499/indonesianjpharm31iss1pp11

Name, I. a. a. B. (2024). Marine Natural Products with Cytotoxic Properties against Epithelial Ovarian Cancer. *Journal of Agricultural and Marine Sciences [JAMS]*. https://doi.org/10.53541/jams.vol29iss2pp33-41

Naqvi, A. A. T., Mohammad, T., Hasan, G. M., & Hassan, Md. I. (2018). Advancements in Docking and Molecular Dynamics Simulations Towards Ligand-receptor Interactions and Structure-function Relationships. *Current Topics in Medicinal Chemistry*, *18*(20), 1755–1768. https://doi.org/10.2174/1568026618666181025114157

Ngamwongsatit, P., Banada, P. P., Panbangred, W., & Bhunia, A. K. (2008). WST-1-based cell cytotoxicity assay as a substitute for MTT-based assay for rapid detection of toxigenic *Bacillus* species using CHO cell line. *Journal of Microbiological Methods*, *73*(3), 211–215. https://doi.org/10.1016/j.mimet.2008.03.002

Nguyen, M., De Ninno, A., Mencattini, A., Mermet-Meillon, F., Fornabaio, G., Evans, S. S., Cossutta, M., Khira, Y., Han, W., Sirven, P., Pelon, F., Di Giuseppe, D., Bertani, F. R., Gerardino, A., Yamada, A., Descroix, S., Soumelis, V., Mechta-Grigoriou, F., Zalcman, G., … Parrini, M. C. (2018). Dissecting Effects of Anti-cancer Drugs and Cancer-Associated Fibroblasts by On-Chip Reconstitution of Immunocompetent Tumor Microenvironments. *Cell Reports*, *25*(13), 3884-3893.e3. https://doi.org/10.1016/j.celrep.2018.12.015

Njomen, E., Hayward, R. E., DeMeester, K. E., Ogasawara, D., Dix, M. M., Nguyen, T., Ashby, P., Simon, G. M., Schreiber, S. L., Melillo, B., & Cravatt, B. F. (2024). Multi-tiered chemical proteomic maps of tryptoline acrylamide–protein interactions in cancer cells. *Nature Chemistry*, *16*(10), 1592–1604. https://doi.org/10.1038/s41557-024-01601-1

Odak, Z., Marijan, S., Radan, M., Pilkington, L. I., Čikeš Botić, M., Barker, D., Reynisson, J., Leung, E., & Čikeš Čulić, V. (2024). Deciphering the Interplay: Thieno[2,3-b]pyridine's Impact on Glycosphingolipid Expression, Cytotoxicity, Apoptosis, and Metabolomics in Ovarian Tumor Cell Lines. *International Journal of Molecular Sciences*, *25*(13), Article 13. https://doi.org/10.3390/ijms25136954

Ohaekenyem, E. C., Onyema, C. T., & Atawodi, S. E. (2024). Activity profiling of natural and synthetic SARS-Cov-2 inhibitors using molecular docking analysis. *Pure and Applied Chemistry*, *96*(6), 807–833. https://doi.org/10.1515/pac-2024-0012

Oki, J., Watanabe, D., Uekusa, T., & Sugano, K. (2019). Mechanism of Supersaturation Suppression in Dissolution Process of Acidic Drug Salt. *Molecular Pharmaceutics*, *16*(4), 1669–1677. https://doi.org/10.1021/acs.molpharmaceut.9b00006

Omar, A. M., Aljahdali, A. S., Safo, M. K., Mohamed, G. A., & Ibrahim, S. R. M. (2023). Docking and Molecular Dynamic Investigations of

Phenylspirodrimanes as Cannabinoid Receptor-2 Agonists. *Molecules*, *28*(1), Article 1. https://doi.org/10.3390/molecules28010044

Padauleng, N., Mustofa, M., Wahyuningsih, T. D., & Purnomosari, D. (2023). Chalcone-3 Inhibits the Proliferation of Human Breast Cancer MDA-MB-231 Cell Line. *Asian Pacific Journal of Cancer Prevention : APJCP*, *24*(2), 683–691. https://doi.org/10.31557/APJCP.2023.24.2.683

Paolillo, M., & Schinelli, S. (2019). Extracellular Matrix Alterations in Metastatic Processes. *International Journal of Molecular Sciences*, *20*(19), Article 19. https://doi.org/10.3390/ijms20194947

Peng, T., Wang, G., Cheng, S., Xiong, Y., Cao, R., Qian, K., Ju, L., Wang, X., & Xiao, Y. (2020). The role and function of PPARγ in bladder cancer. *Journal of Cancer*, *11*(13), 3965–3975. https://doi.org/10.7150/jca.42663

PubChem, P. (2025). *PubChem*. (E)-1-(4-Chlorophenyl)-3-(3,4-Dimethoxyphenyl)Prop-2-En-1-One. https://pubmed.ncbi.nlm.nih.gov/static-page/down_bethesda.html

Qi, Z., Liu, M., Liu, Y., Zhang, M., & Yang, G. (2014). Tetramethoxychalcone, a Chalcone Derivative, Suppresses Proliferation, Blocks Cell Cycle Progression, and Induces Apoptosis of Human Ovarian Cancer Cells. *PLOS ONE*, *9*(9), e106206. https://doi.org/10.1371/journal.pone.0106206

Rah, B., Rather, R. A., Bhat, G. R., Baba, A. B., Mushtaq, I., Farooq, M., Yousuf, T., Dar, S. B., Parveen, S., Hassan, R., Mohammad, F., Qassim, I., Bhat, A., Ali, S., Zargar, M. H., & Afroze, D. (2022). JAK/STAT Signaling: Molecular Targets, Therapeutic Opportunities, and Limitations of Targeted Inhibitions in Solid Malignancies. *Frontiers in Pharmacology*, *13*. https://doi.org/10.3389/fphar.2022.821344

Razaq, L., Dhali, A., Maity, R., Faisal, A. R., Hafeez, A. S., Zaman, A., Humayun, M. A., Faizan, M., Shahid, M., Majeed, M., & Singh, P. (2025). Demographic trends in mortality due to ovarian cancer in the United States, 1999-2020. *World Journal of Clinical Oncology*, *16*(6). https://doi.org/10.5306/wjco.v16.i6.108393

Ren, Y., Lv, C., Zhang, J., Zhang, B., Yue, B., Luo, X., Yu, Z., Wang, H., Ren, J., Wang, Z., & Dou, W. (2021). Alantolactone exhibits antiproliferative and apoptosis-promoting properties in colon cancer model via activation of the MAPK-JNK/c-Jun signaling pathway. *Molecular and Cellular Biochemistry*, *476*(12), 4387–4403. https://doi.org/10.1007/s11010-021-04247-6

Riccardi, L., Genna, V., & De Vivo, M. (2018). Metal–ligand interactions in drug design. *Nature Reviews Chemistry*, *2*(7), 100–112. https://doi.org/10.1038/s41570-018-0018-6

Ruchika, P., Roopa, H., Kumar, L., & Hariprasad, G. (2019). *Chemotherapy Resistance in Advanced Ovarian Cancer Patients*. https://journals.sagepub.com/doi/full/10.1177/1179299X19860815

Sanachai, K., Aiebchun, T., Mahalapbutr, P., Seetaha, S., Tabtimmai, L., Maitarad, P., Xenikakis, I., Geronikaki, A., Choowongkomon, K., & Rungrotmongkol, T. (2021). Discovery of novel JAK2 and EGFR inhibitors from a series of thiazole-based chalcone derivatives. *RSC Medicinal Chemistry*, *12*(3), 430–438. https://doi.org/10.1039/d0md00436g

Scholz, C., Knorr, S., Hamacher, K., & Schmidt, B. (2015). DOCKTITE - A Highly Versatile Step-by-Step Workflow for Covalent Docking and Virtual Screening in the Molecular Operating Environment. *Journal of Chemical Information and Modeling*, *55 2*, 398–406. https://doi.org/10.1021/ci500681r

Selvin, T., Berglund, M., Lenhammar, L., Jarvius, M., Nygren, P., Fryknäs, M., Larsson, R., & Andersson, C. R. (2023). Phenotypic screening platform identifies statins as enhancers of immune cell-induced cancer cell death. *BMC Cancer*, *23*(1), 164. https://doi.org/10.1186/s12885-023-10645-4

Shen, X., Jin, X., Fang, S., & Chen, J. (2023). EFEMP2 upregulates PD-L1 expression via EGFR/ERK1/2/c-Jun signaling to promote the invasion of ovarian cancer cells. *Cellular & Molecular Biology Letters*, *28*(1), 53. https://doi.org/10.1186/s11658-023-00471-8

Shetty, M. (2019). Imaging and Differential Diagnosis of Ovarian Cancer. *Seminars in Ultrasound, CT and MRI*, *40*(4), 302–318. https://doi.org/10.1053/j.sult.2019.04.002

Shvedunova, M., & Akhtar, A. (2022). Modulation of cellular processes by histone and non-histone protein acetylation. *Nature Reviews Molecular Cell Biology*, *23*(5), 329–349. https://doi.org/10.1038/s41580-021-00441-y

Sigismund, S., Avanzato, D., & Lanzetti, L. (2018). Emerging functions of the EGFR in cancer. *Molecular Oncology*, *12*(1), 3–20. https://doi.org/10.1002/1878-0261.12155

Singh, D., Kumari, K., & Ahmed, S. (2022). CHAPTER 17—Natural herbal products for cancer therapy. In B. Jain & S. Pandey (Eds.), *Understanding Cancer* (pp. 257–268). Academic Press. https://doi.org/10.1016/B978-0-323-99883-3.00010-X

Sreedevi, S. M., Vinod, S. M., Krishnan, A., Perumal, T., Alasmary, F. A., Alsaiari, N. S., Govindasamy, M., & Rajendran, K. (2023). Molecular Docking approach on the effect of Site- Selective and Site-Specific Drugs on the Molecular Interactions of Human Serum Albumin (HSA) -Acridinedione dye complex. *Arabian Journal of Chemistry*, *16*. https://doi.org/10.1016/j.arabjc.2023.104701

St., F., Latief, S., Syahruddin, F., Nulanda, M., & Mokhtar, S. (2023). *Faktor Risiko Penderita Kanker Ovarium di Rumah Sakit Ibnu Sina Makassar | Wal'afiat Hospital Journal*. https://whj.umi.ac.id/index.php/whj/article/view/101

Standing, D., Feess, E., Kodiyalam, S., Kuehn, M., Hamel, Z., Johnson, J., Thomas, S. M., & Anant, S. (2023). The Role of STATs in Ovarian Cancer: Exploring Their Potential for Therapy. *Cancers*, *15*(9), Article 9. https://doi.org/10.3390/cancers15092485

Stewart, C., Ralyea, C., & Lockwood, S. (2019). Ovarian Cancer: An Integrated Review. *Seminars in Oncology Nursing*, *35*(2), 151–156. https://doi.org/10.1016/j.soncn.2019.02.001

Subramaniam, T., Mualif, S. A., Chan, W. H., & Abd Halim, K. B. (2025). Unlocking the potential of in silico approach in designing antibodies against SARS-CoV-2. *Frontiers in Bioinformatics*, *5*. https://doi.org/10.3389/fbinf.2025.1533983

Sun, W., Wang, X., Wang, D., Lu, L., Lin, H., Zhang, Z., Jia, Y., Nie, X., Liu, T., & Fu, W. (2022). CD40×HER2 bispecific antibody overcomes the CCL2-induced trastuzumab resistance in HER2-positive gastric cancer. *Journal for Immunotherapy of Cancer*, *10*(7), e005063. https://doi.org/10.1136/jitc-2022-005063

Surabhi, S., & Singh, B. K. (2018). COMPUTER AIDED DRUG DESIGN: AN OVERVIEW. *Journal of Drug Delivery and Therapeutics*, *8*(5), Article 5. https://doi.org/10.22270/jddt.v8i5.1894

Sznurkowski, J. J., Żawrocki, A., Emerich, J., & Biernat, W. (2011). Prognostic Significance of CD4+ and CD8+ T Cell Infiltration Within Cancer Cell Nests in Vulvar Squamous Cell Carcinoma. *International Journal of Gynecological Cancer*, *21*(4), 717–721. https://doi.org/10.1097/IGC.0b013e3182131f36

Tehran, M. H., Arab, F. L., Zeynali, F., Mahmoudi, M., Tabasi, N. S., & Khayatzadeh, J. (2024). The effects of crocin and crocetin on immune cells of prostate cancer patients in co-culture with adipose-derived mesenchymal stem cells. *Journal of Functional Foods*, *121*, 106406. https://doi.org/10.1016/j.jff.2024.106406

Tjokroprawiro, B. A., Novitasari, K., Ulhaq, R. A., Sulistya, H. A., & Martini, S. (2025). Investigation of the trends and associated factors of ovarian cancer in Indonesia: A systematic analysis of the Global Burden of Disease study 1990–2021. *PLOS ONE*, *20*(1), e0313418. https://doi.org/10.1371/journal.pone.0313418

Toledo-Leyva, A., Villegas-Pineda, J. C., Encarnación-Guevara, S., Gallardo-Rincón, D., & Talamás-Rohana, P. (2018). Effect of ovarian cancer ascites on SKOV-3 cells proteome: New proteins associated with aggressive phenotype in epithelial ovarian cancer. *Proteome Science*, *16*(1), 3. https://doi.org/10.1186/s12953-018-0133-9

Tri Suma, A. A., Dwi Wahyuningsih, T., & Mustofa. (2019). EFFICIENT SYNTHESIS OF CHLORO CHALCONES UNDER ULTRASOUND IRRADIATION, THEIR ANTICANCER ACTIVITIES AND MOLECULAR DOCKING STUDIES. *Rasayan Journal of Chemistry*, *12*(02), 502–510. https://doi.org/10.31788/RJC.2019.1225020

Uribe, M. L., Marrocco, I., & Yarden, Y. (2021). EGFR in Cancer: Signaling Mechanisms, Drugs, and Acquired Resistance. *Cancers*, *13*. https://doi.org/10.3390/cancers13112748

U.S. National Human Genome Research Institute. (2025, July 15). *Filtering by Selection*. Cytoscape : Network Data Integration, Analysis, and Visualization in a Box. https://cytoscape.org/cytoscape-tutorials/protocols/filtering-by-selection/#/8

Vankerckhoven, A., Baert, T., Riva, M., De Bruyn, C., Thirion, G., Vandenbrande, K., Ceusters, J., Vergote, I., & Coosemans, A. (2021). Type of chemotherapy has substantial effects on the immune system in ovarian cancer. *Translational Oncology*, *14*(6), 101076. https://doi.org/10.1016/j.tranon.2021.101076

Wandira, N. A., Dinengsih, S., & Novelia, S. (2023). Analysis of Ovary Cancer in the Gynecology Room. *Jurnal Midpro*, *15*(1), Article 1. https://doi.org/10.30736/md.v15i1.506

Wang, Q., & Shi, W. (2019). UNBS5162 inhibits SKOV3 ovarian cancer cell proliferation by regulating the PI3K/AKT signalling pathway. *Oncology Letters*, *17*(3), 2976–2982. https://doi.org/10.3892/ol.2019.9890

Waruwu, D., Lukito, J. S., & Soekimin, S. (2016). Ekspresi P53 Mutan dengan Jenis Histopatologik dan Derajat Diferensiasi Karsinoma Ovarium. *Majalah Patologi Indonesia*, *25*(2), Article 2. http://majalahpatologiindonesia.com/p/index.php/patologi/article/view/203

Winarto, H., Welladatika, A., Habiburrahman, M., Purwoto, G., Kusuma, F., Utami, T. W., Putra, A. D., Anggraeni, T., & Nuryanto, K. H. (2022). Overall Survival and Related Factors of Advanced-stage Epithelial Ovarian Cancer Patients Underwent Debulking Surgery in Jakarta, Indonesia: A Single-center Experience. *Open Access Macedonian Journal of Medical Sciences*, *10*(B), 265–280. https://doi.org/10.3889/oamjms.2022.8296

Wu, Q., Wu, W., Fu, B., Shi, L., Wang, X., & Kuca, K. (2019). JNK signaling in cancer cell survival. *Medicinal Research Reviews*, *39*(6), 2082–2104. https://doi.org/10.1002/med.21574

Yan, M., Han, M., Yang, X., Shen, R., Wang, H., Zhang, L., Xia, S., Yang, P., Zhai, G., & Shao, Q. (2021). Dual inhibition of EGFR and IL-6-STAT3 signalling by miR-146b: A potential targeted therapy for epithelial ovarian cancer. *Journal of Enzyme Inhibition and Medicinal Chemistry*, *36*, 1905–1915. https://doi.org/10.1080/14756366.2021.1963240

Yang, J.-F., Shi, L.-R., Wang, K.-C., Huang, L.-L., Deng, Y.-S., Chen, M., Wan, F., & Zhou, Z.-S. (2023). HDAC1: An Essential and Conserved Member of the Diverse Zn2+-Dependent HDAC Family Driven by Divergent Selection Pressure. *International Journal of Molecular Sciences*, *24*. https://doi.org/10.3390/ijms242317072

Yeung, T.-L., Leung, C., Yip, K.-P., Yeung, C., Wong, S., & Mok, S. C. (2015). *Cellular and molecular processes in ovarian cancer metastasis. A Review in the Theme: Cell and Molecular Processes in Cancer Metastasis | American Journal of Physiology-Cell Physiology*. https://journals.physiology.org/doi/full/10.1152/ajpcell.00188.2015

You, K., Gu, H., Yuan, Z., & Xu, X. (2021). Tumor Necrosis Factor Alpha Signaling and Organogenesis. *Frontiers in Cell and Developmental Biology*, *9*. https://doi.org/10.3389/fcell.2021.727075

Yovita, V., Tala, Mrz., Dina, S., Lumbanraja, S., Lubis, D., & Adella, C. (2020). Sensitivity and Spesificity Value of Platelets, Malignancy Ratio Index and Both Combined in Diagnosing Ovarian Cancer at General Hospital Haji Adam Malik Medan from 2016-2018. *International Journal of Current Pharmaceutical Research*, 121–125. https://doi.org/10.22159/ijcpr.2020v12i3.38320

Yuan, J., Li, X., & Yu, S. (2023). Cancer organoid co-culture model system: Novel approach to guide precision medicine. *Frontiers in Immunology*, *13*, 1061388. https://doi.org/10.3389/fimmu.2022.1061388

Yuan, Z., Wang, L., & Chen, C. (2022). Analysis of the prognostic, diagnostic and immunological role of HSP90α in malignant tumors. *Frontiers in Oncology*, *12*, 963719. https://doi.org/10.3389/fonc.2022.963719

Zagami, P., & Carey, L. A. (2022). Triple negative breast cancer: Pitfalls and progress. *Npj Breast Cancer*, *8*(1), 1–10. https://doi.org/10.1038/s41523-022-00468-0

Zeng, Q., Wang, K., Zhao, Y., Ma, Q., Chen, Z., & Huang, W. (2023). Effects of the Acetyltransferase p300 on Tumour Regulation from the Novel Perspective of Posttranslational Protein Modification. *Biomolecules*, *13*(3), Article 3. https://doi.org/10.3390/biom13030417

Zhang, J., Yang, F., Qiao, Z., Zhu, M., & Zhou, H. (2016). Chalcone–benzoxaborole hybrids as novel anticancer agents. *Bioorganic & Medicinal Chemistry Letters*, *26*(23), 5797–5801. https://doi.org/10.1016/j.bmcl.2016.10.024

Zhang, L., Zhou, C., Zhang, S., Chen, X., Liu, J., Xu, F., & Liang, W. (2022). Chemotherapy reinforces anti-tumor immune response and enhances clinical efficacy of immune checkpoint inhibitors. *Frontiers in Oncology*, *12*. https://doi.org/10.3389/fonc.2022.939249

Zhang, Y., & Liu, Z. (2017). STAT1 in cancer: Friend or foe? *Discovery Medicine*, *24*, 19–29.

Zhao, Q., Zhu, H.-P., Xie, X., Mao, Q., Liu, Y.-Q., He, X.-H., Peng, C., Jiang, Q.-L., & Huang, W. (2020). Novel HSP90-PI3K Dual Inhibitor Suppresses Melanoma Cell Proliferation by Interfering with HSP90-EGFR Interaction and Downstream Signaling Pathways. *International Journal of Molecular Sciences*, *21*(5), Article 5. https://doi.org/10.3390/ijms21051845

Zhu, P., Liu, G., Wang, X., Lu, J., Zhou, Y., Chen, S., Gao, Y., Wang, C., Yu, J., Sun, Y., & Zhou, P. (2022). Transcription factor c-Jun modulates GLUT1 in glycolysis and breast cancer metastasis. *BMC Cancer*, *22*(1), 1283. https://doi.org/10.1186/s12885-022-10393-x

Zinatizadeh, M. R., Schock, B., Chalbatani, G. M., Zarandi, P. K., Jalali, S. A., & Miri, S. R. (2021). The Nuclear Factor Kappa B (NF-kB) signaling in cancer development and immune diseases. *Genes & Diseases*, *8*(3), 287–297. https://doi.org/10.1016/j.gendis.2020.06.005

Zou, Y., Watters, A., Cheng, N., Perry, C. E., Xu, K., Alicea, G. M., Parris, J. L. D., Baraban, E., Ray, P., Nayak, A., Xu, X., Herlyn, M., Murphy, M. E., Weeraratna, A. T., Schug, Z. T., & Chen, Q. (2019). Polyunsaturated Fatty Acids from Astrocytes Activate PPARγ Signaling in Cancer Cells to

Promote Brain Metastasis. *Cancer Discovery*, *9*(12), 1720–1735. https://doi.org/10.1158/2159-8290.CD-19-0270