

DAFTAR PUSTAKA

- Ahmad, W. *et al.* (2018) ‘Immunomodulatory effects of *Tinospora crispa* extract and its major compounds on the immune functions of RAW 264.7 macrophages’, *International Immunopharmacology*, 60, pp. 141–151. doi:10.1016/j.intimp.2018.04.046.
- Aitcheson, S.M. *et al.* (2021) ‘Skin wound healing: Normal macrophage function and macrophage dysfunction in diabetic wounds’, *Molecules*, 26(16), p. 4917. doi:10.3390/molecules26164917.
- Ali, Arshad (2021) “Alterations of glutathione and GSTM1 mutation induce tumor metastasis and invasion via EMT pathway in breast cancer patients,” *Eurasian Journal of Medicine and Oncology* [Preprint]. Available at: <https://doi.org/10.14744/ejmo.2021.25927>.
- Ammann, K.R. *et al.* (2019) ‘Migration versus proliferation as contributor to in vitro wound healing of vascular endothelial and Smooth Muscle Cells’, *Experimental Cell Research*, 376(1), pp. 58–66. doi:10.1016/j.yexcr.2019.01.011.
- Barth, K.A., Waterfield, J.D. and Brunette, D.M. (2013) ‘The effect of surface roughness on Raw 264.7 macrophage phenotype’, *Journal of Biomedical Materials Research Part A*, 101A(9), pp. 2679–2688. doi:10.1002/jbm.a.34562.
- Bergin, A.R. and Loi, S. (2019) “Triple-negative breast cancer: Recent treatment advances,” *F1000Research*, 8, p. 1342. Available at: <https://doi.org/10.12688/f1000research.18888.1>. C
- Chen, X. *et al.* (2008) ‘Role of reactive oxygen species in tumor necrosis factor-alpha induced endothelial dysfunction’, *Current Hypertension Reviews*, 4(4), pp. 245–255. doi:10.2174/157340208786241336.
- Gu, S. *et al.* (2018) “Knockdown of KIF26B inhibits breast cancer cell proliferation, migration, and invasion,” *OncoTargets and Therapy*, Volume 11, pp. 3195–3203. Available at: <https://doi.org/10.2147/ott.s163346>.
- Jerotic, D. *et al.* (2021) ‘GSTM1 modulates expression of endothelial adhesion molecules in uremic milieu’, *Oxidative Medicine and Cellular Longevity*, 2021, pp. 1–12. doi:10.1155/2021/6678924.

- Jurkovic Mlakar, S. *et al.* (2021) “GSTM1 and GSTT1 double null genotypes determining cell fate and proliferation as potential risk factors of relapse in children with hematological malignancies after hematopoietic stem cell transplantation,” *Journal of Cancer Research and Clinical Oncology*, 148(1), pp. 71–86. Available at: <https://doi.org/10.1007/s00432-021-03769-2>.
- Kaur, S. *et al.* (2021) “Role of glutathione S-transferase M1 and glutathione s transferase theta 1 gene polymorphism, histopathological, and immunohistochemistry in carcinoma breast,” *International Journal of Applied and Basic Medical Research*, 11(4), p. 243. Available at: https://doi.org/10.4103/ijabmr.ijabmr_128_21.
- Lee, C.-H. and Choi, E.Y. (2018) ‘Macrophages and inflammation’, *Journal of Rheumatic Diseases*, 25(1), p. 11. doi:10.4078/jrd.2018.25.1.11.
- Le, T.H. (2021b) ‘GSTM1 Gene, Diet, and Kidney Disease: Implication for Precision Medicine?’, *Hypertension*, 78(4), pp. 936–945. doi:10.1161/hypertensionaha.121.16510.
- Lendeckel, U., Venz, S. and Wolke, C. (2022) ‘Macrophages: Shapes and functions’, *ChemTexts*, 8(2). doi:10.1007/s40828-022-00163-4.
- Lingappan, K. (2018) ‘NF-KB in oxidative stress’, *Current Opinion in Toxicology*, 7, pp. 81–86. doi:10.1016/j.cotox.2017.11.002.
- Liu, L. *et al.* (2016) “Proinflammatory signal suppresses proliferation and shifts macrophage metabolism from Myc-dependent to HIF1 α -dependent,” *Proceedings of the National Academy of Sciences*, 113(6), pp. 1564–1569. Available at: <https://doi.org/10.1073/pnas.1518000113>.
- Lizard-Nacol, S. *et al.* (1999) “Glutathione S-transferase M1 null genotype: Lack of association with tumour characteristics and survival in Advanced breast cancer,” *Breast Cancer Research*, 1(1). Available at: <https://doi.org/10.1186/bcr17>.
- Nugrahaningsih, D.A. *et al.* (2023) ‘A review of the GSTM1 null genotype modifies the association between Air Pollutant Exposure and health problems’, *International Journal of Genomics*, 2023, pp. 1–13. doi:10.1155/2023/4961487.
- Onaran, İ. *et al.* (2001) ‘The influence of GSTM1 null genotype on susceptibility to in vitro oxidative stress’, *Toxicology*, 157(3), pp. 195–205. doi:10.1016/s0300-483x(00)00358-9.

- Pizzino, G. *et al.* (2017) ‘Oxidative stress: Harms and benefits for human health’, *Oxidative Medicine and Cellular Longevity*, 2017, pp. 1–13. doi:10.1155/2017/8416763.
- Qian, B.-Z. and Pollard, J.W. (2010) “Macrophage diversity enhances tumor progression and metastasis,” *Cell*, 141(1), pp. 39–51. Available at: <https://doi.org/10.1016/j.cell.2010.03.014>.
- Redman, M. *et al.* (2016) “What is CRISPR/cas9?,” *Archives of disease in childhood - Education & practice edition*, 101(4), pp. 213–215. Available at: <https://doi.org/10.1136/archdischild-2016-310459>.
- Ríos-Barrera, L.D. (2022) ‘Preprint highlight: Cell division in tissues enables macrophage infiltration’, *Molecular Biology of the Cell*, 33(7). doi:10.1091/mbc.p22-04-1003.
- Rutherford, M.S. and Schook, L.B. (1992) ‘Differential immunocompetence of macrophages derived using macrophage or granulocyte-macrophage colony-stimulating factor’, *Journal of Leukocyte Biology*, 51(1), pp. 69–76. doi:10.1002/jlb.51.1.69.
- Saitou, M., Satta, Y. and Gokcumen, O. (2018) ‘Complex haplotypes of *gstm1* gene deletions harbor signatures of a selective sweep in East Asian populations’, *G3 Genes|Genomes|Genetics*, 8(9), pp. 2953–2966. doi:10.1534/g3.118.200462.
- Shojaei Baghini, S. *et al.* (2022) “CRISPR/Cas9 application in cancer therapy: A pioneering genome editing tool,” *Cellular & Molecular Biology Letters*, 27(1). Available at: <https://doi.org/10.1186/s11658-022-00336-6>.
- Song, F. *et al.* (2023) ‘FSBP suppresses tumor cell migration by inhibiting the JNK pathway’, *iScience*, 26(4), p. 106440. doi:10.1016/j.isci.2023.106440.
- Song, W.-Q. and Sun, P. (2016) “GSTM1 null genotype and susceptibility to cervical cancer in the Chinese population: An updated meta-analysis,” *Journal of Cancer Research and Therapeutics*, 12(2), p. 712. Available at: <https://doi.org/10.4103/0973-1482.154004>.
- Sporikova, Z. *et al.* (2018) “Genetic markers in triple-negative breast cancer,” *Clinical Breast Cancer*, 18(5). Available at: <https://doi.org/10.1016/j.clbc.2018.07.023>.

- Taciak, B. *et al.* (2018a) 'Evaluation of phenotypic and functional stability of raw 264.7 cell line through serial passages', *PLOS ONE*, 13(6).
doi:10.1371/journal.pone.0198943.
- Trepat, X., Chen, Z. and Jacobson, K. (2012) "Cell migration," *Comprehensive Physiology*, pp. 2369–2392. Available at:
<https://doi.org/10.1002/cphy.c110012>.
- Tu, D. *et al.* (2021) "M2 macrophages contribute to cell proliferation and migration of breast cancer," *Cell Biology International*, 45(4), pp. 831–838. Available at:
<https://doi.org/10.1002/cbin.11528>.
- Uddin, F., Rudin, C.M. and Sen, T. (2020) 'CRISPR gene therapy: Applications, limitations, and implications for the future', *Frontiers in Oncology*, 10.
doi:10.3389/fonc.2020.01387.
- Virág, L. *et al.* (2019) 'Self-defense of macrophages against oxidative injury: Fighting for their own survival', *Redox Biology*, 26, p. 101261.
doi:10.1016/j.redox.2019.101261.
- Wiesner, C. *et al.* (2014) "Podosomes in Space," *Cell Adhesion & Migration*, 8(3), pp. 179–191. Available at: <https://doi.org/10.4161/cam.28116>.
- Wu, W., Peden, D. and Diaz-Sanchez, D. (2012) 'Role of GSTM1 in resistance to lung inflammation', *Free Radical Biology and Medicine*, 53(4), pp. 721–729.
doi:10.1016/j.freeradbiomed.2012.05.037.
- Xia, A.-L. *et al.* (2018) "Applications and advances of CRISPR-Cas9 in cancer immunotherapy," *Journal of Medical Genetics*, 56(1), pp. 4–9. Available at:
<https://doi.org/10.1136/jmedgenet-2018-105422>.
- Xu, C., Li, C.Y.-T. and Kong, A.-N.T. (2005) 'Induction of phase I, II and III Drug Metabolism/transport by xenobiotics', *Archives of Pharmacal Research*, 28(3), pp. 249–268. doi:10.1007/bf02977789.
- Yang, Y. *et al.* (2009) "Glutathione S-transferase-M1 regulates vascular smooth muscle cell proliferation, migration, and oxidative stress," *Hypertension*, 54(6), pp. 1360–1368. Available at:
<https://doi.org/10.1161/hypertensionaha.109.139428>.
- Yuen, G. *et al.* (2017) 'CRISPR/Cas9-mediated gene knockout is insensitive to target copy number but is dependent on guide RNA potency and cas9/sgRNA threshold

expression level', *Nucleic Acids Research*, 45(20), pp. 12039–12053.
doi:10.1093/nar/gkx843.

Zanotelli, M.R., Zhang, J. and Reinhart-King, C.A. (2021) “Mechanoresponsive metabolism in cancer cell migration and metastasis,” *Cell Metabolism*, 33(7), pp. 1307–1321. Available at: <https://doi.org/10.1016/j.cmet.2021.04.002>.