

**Section VIII:****References**

- Chen, X., Mangala, L.S., Rodriguez-Aguayo, C., Kong, X., Lopez-Berestein, G., Sood, A.K. (2018). RNA interference-based therapy and its delivery systems. *Cancer Metastasis Rev* 37, 107–124.  
<https://doi-org.ezpv7-web-p-u01.wpi.edu/10.1007/s10555-017-9717-6>
- Fortini, M. E., Skupski, M. P., Boguski, M. S., & Hariharan, I. K. (2000). A survey of human disease gene counterparts in the Drosophila genome. *The Journal of cell biology*, 150(2), F23–F30. <https://doi.org/10.1083/jcb.150.2.f23>
- Gray, A. (2024, August 7). Closing the ethnicity gap in pharmacogenomics. *The Pharmaceutical Journal*, 313(7988). <https://pharmaceutical-journal.com/article/feature/closing-the-ethnicity-gap-in-pharmacogenomics>
- He, Y., Hoskins, J. M., & McLeod, H. L. (2011). Copy number variants in pharmacogenetic genes. *Trends in Molecular Medicine*, 17(5), 244–251.  
<https://doi.org/10.1016/j.molmed.2011.01.007>
- Hof-Michel, S., Hernandez, B. O. F., Vilcinskas, A., & Wagner, A. E. (2025). Curcumin Induces Transgenerational and Sex-Specific Effects on Lifespan, Gene Expression, and Metabolism in the Fruit Fly *Drosophila melanogaster*. *BioFactors (Oxford)*, 51(4), e70039-n/a.  
<https://doi.org/10.1002/biof.70039>
- Kocaadam, B., & Şanlıer, N. (2017). Curcumin, an active component of turmeric (*Curcuma longa*), and its effects on health. *Critical Reviews in Food Science and Nutrition*, 57(13), 2889–2895.  
<https://doi.org/10.1080/10408398.2015.1077195>

Martinez-Lomeli, J., Deol, P., Deans, J. R., Jiang, T., Ruegger, P., Borneman, J., & Sladek, F. M. (2023).

Impact of various high fat diets on gene expression and the microbiome across the mouse intestines. *Scientific Reports*, 13(1), Article 22758. <https://doi.org/10.1038/s41598-023-49555-7>

Munnik, C., Xaba, M. P., Malindisa, S. T., Russell, B. L., & Sooklal, S. A. (2022).

*Drosophila melanogaster*: A platform for anticancer drug discovery and personalized therapies. *Frontiers in Genetics*, 13, 949241. <https://doi.org/10.3389/fgene.2022.949241>

Oboh, G., Ogunsuyi, O. B., Ojelade, M. T., & Akomolafe, S. F. (2018). Effect of dietary inclusions of bitter

kola seed on geotactic behavior and oxidative stress markers in *Drosophila melanogaster*. *Food Science & Nutrition*, 6(8), 2177–2187. <https://doi.org/10.1002/fsn3.782>

Robarge, J. D., Li, L., Desta, Z., Nguyen, A., & Flockhart, D. A. (2007). The Star-Allele Nomenclature:

Retooling for Translational Genomics. *Clinical Pharmacology and Therapeutics*, 82(3), 244–248. <https://doi.org/10.1038/sj.clpt.6100284>

Scott S. A. (2011). Personalizing medicine with clinical pharmacogenetics. *Genetics in medicine:*

*official journal of the American College of Medical Genetics*, 13(12), 987–995.

<https://doi.org/10.1097/GIM.0b013e318238b38c>

Shaman, J. A. (2024). The Future of Pharmacogenomics: Integrating Epigenetics, Nutrigenomics, and

Beyond. *Journal of personalized medicine*, 14(12), 1121. <https://doi.org/10.3390/jpm14121121>

Schmitt, R. E., Messick, M. R., Shell, B. C., Dunbar, E. K., Fang, H., Shelton, K. L., Venton, B. J., Pletcher,

S. D., & Grotewiel, M. (2020). Dietary yeast influences ethanol sedation in *Drosophila* via serotonergic neuron function. *Addiction Biology*, 25(4), e12779-n/a.

<https://doi.org/10.1111/adb.12779>

Swen, J. J., van der Wouden, C. H., Manson, L. E., Abdullah-Koolmees, H., Blagec, K., Blagus, T.,

Böhringer, S., Cambon-Thomsen, A., Cecchin, E., Cheung, K.-C., Deneer, V. H., Dupui, M.,

Ingelman-Sundberg, M., Jonsson, S., Joefield-Roka, C., Just, K. S., Karlsson, M. O., Konta, L.,

Koopmann, R., ... Rajasingam, A. (2023). A 12-gene pharmacogenetic panel to prevent adverse drug reactions: An open-label, multicentre, controlled, cluster-randomised crossover implementation study. *The Lancet*, 401(10374), 347–356.

[https://doi.org/10.1016/S0140-6736\(22\)01841-4](https://doi.org/10.1016/S0140-6736(22)01841-4)

Zhou, Y., & Lauschke, V. M. (2022). The genetic landscape of major drug metabolizing cytochrome P450 genes—an updated analysis of population-scale sequencing data. *The Pharmacogenomics Journal*, 22(5–6), 284–293. <https://doi.org/10.1038/s41397-022-00288-2>