

## REFERENCES

- [1] R. W. Ruddon, *Cancer Biology Fourth Edition*, 4th ed. Oxford University Press, Inc., 2007.
- [2] World Health Organization, "WHO Newsroom Cancer," Sep. 21, 2021. <https://www.who.int/news-room/fact-sheets/detail/cancer> (accessed Nov. 01, 2021).
- [3] American Lung Association, "Lung Cancer Symptoms," Oct. 28, 2021. <https://www.lung.org/lung-health-diseases/lung-disease-lookup/lung-cancer/symptoms-diagnosis/symptoms> (accessed Nov. 01, 2021).
- [4] American Lung Association, "Lung Cancer Causes & Risk Factors," Oct. 22, 2021. <https://www.lung.org/lung-health-diseases/lung-disease-lookup/lung-cancer/basics/what-causes-lung-cancer> (accessed Nov. 01, 2021).
- [5] H. Azzawi, J. Hou, Y. Xiang, and R. Alanni, "Lung Cancer Prediction from Microarray Data by Gene Expression Programming," *IET Systems Biology*, vol. 10, no. 5, pp. 168–178, Oct. 2016, doi: 10.1049/iet-syb.2015.0082.
- [6] J. Cabrera, A. Dionisio, and G. Solano, "Lung Cancer Classification Tool Using Microarray Data and Support Vector Machines," 2015.
- [7] S. Wu, H. Jiang, H. Shen, and Z. Yang, "Gene selection in cancer classification using sparse logistic regression with L1/2 regularization," *Applied Sciences (Switzerland)*, vol. 8, no. 9, Sep. 2018, doi: 10.3390/app8091569.
- [8] C. Yin and Z. Chen, "Developing sustainable classification of diseases via deep learning and semi-supervised learning," *Healthcare (Switzerland)*, vol. 8, no. 3, Sep. 2020, doi: 10.3390/healthcare8030291.
- [9] Q. Wang, Y. Zhou, W. Ding, Z. Zhang, K. Muhammad, and Z. Cao, "Random forest with self-paced bootstrap learning in lung cancer prognosis," *ACM Transactions on Multimedia Computing, Communications and Applications*, vol. 16, no. 1s, Apr. 2020, doi: 10.1145/3345314.
- [10] Q. Wu and W. Zhao, "Small-Cell Lung Cancer Detection Using a Supervised Machine Learning Algorithm," in *Proceedings - 2017 International Symposium on Computer Science and Intelligent Controls, ISCSIC 2017*, Feb. 2018, vol. 2018-February, pp. 88–91. doi: 10.1109/ISCSIC.2017.22.
- [11] I. M. Nasser and S. S. Abu-Naser, "Lung Cancer Detection Using Artificial Neural Network," 2019. [Online]. Available: [www.ijeais.org](http://www.ijeais.org)
- [12] M. D. Podolsky, A. A. Barchuk, V. I. Kuznetsov, N. F. Gusarova, V. S. Gaidukov, and S. A. Tarakanov, "Evaluation of machine learning algorithm utilization for lung cancer classification based on gene expression levels," *Asian Pacific Journal of Cancer Prevention*, vol. 17, no. 2, pp. 835–838, 2016, doi: 10.7314/APJCP.2016.17.2.835.
- [13] J. Pati, "Gene expression analysis for early lung cancer prediction using machine learning techniques: An eco-genomics approach," *IEEE Access*, vol. 7, pp. 4232–4238, 2019, doi: 10.1109/ACCESS.2018.2886604.
- [14] M. I. Faisal, S. Bashir, Z. S. Khan, and F. H. Khan, "An Evaluation of Machine Learning Classifiers and Ensembles for Early Stage Prediction of Lung Cancer," 2018.
- [15] H. Wang *et al.*, "Comparison of machine learning methods for classifying mediastinal lymph node metastasis of non-small cell lung cancer from 18F-FDG PET/CT images," *EJNMMI Research*, vol. 7, no. 1, Dec. 2017, doi: 10.1186/s13550-017-0260-9.
- [16] Z.-H. Zhou, *Ensemble Methods Foundations and Algorithms*. Taylor & Francis Group, 2012.
- [17] A. M. Gustafson *et al.*, "Airway PI3K Pathway Activation Is an Early and Reversible Event in Lung Cancer Development," 2010. [Online]. Available: [www.ScienceTranslationalMedicine.org](http://www.ScienceTranslationalMedicine.org)
- [18] A. Spira *et al.*, "Airway epithelial gene expression in the diagnostic evaluation of smokers with suspect lung cancer," *Nature Medicine*, vol. 13, no. 3, pp. 361–366, Mar. 2007, doi: 10.1038/nm1556.
- [19] C. Zhang and Y. Ma, *Ensemble Machine Learning Method and Application*. Springer US, 2012. doi: 10.1007/978-1-4419-9326-7.
- [20] L. Yang *et al.*, "Study of cardiovascular disease prediction model based on random forest in eastern China," *Scientific Reports*, vol. 10, no. 1, Dec. 2020, doi: 10.1038/s41598-020-62133-5.