# Sources

Alpízar-Rodríguez, D., Pluchino, N., Canny, G., Gabay, C., & Finckh, A. (2017). The role of female hormonal factors in the development of rheumatoid arthritis. *Rheumatology (United Kingdom)*, *56*(8), 1254–1263. https://doi.org/10.1093/RHEUMATOLOGY/KEW318

Baker, K. F., Spierings, J., Brom, M., Radstake, T., Smith, E., Weiss, R., Burmester, G. R., Bijlsma, J. W. J., McInnes, I., Baker, K., Lories, R., Pitzalis, C., Distler, J. H. W., Burmester, G., Cope, A. P., Distler, O., Spierings, J., Hoffmann-Vold, A. M., Radstake, T., … Vesely, R. (2024). Cure as a treatment target in rheumatoid arthritis and systemic sclerosis—achievable aim or mission impossible? FOREUM stimulates new industry-academia collaboration. *Annals of the Rheumatic Diseases*, *0*, 1–4. <https://doi.org/10.1136/ARD-2024-226772>

Blighe, K., Rana, S., & Lewis, M. (2023). EnhancedVolcano: Publication-ready volcano plots with enhanced colouring and labeling (Version 1.24.0) [R package]. Bioconductor. <https://bioconductor.org/packages/EnhancedVolcano/>

Carlson, M. (2023). org.Hs.eg.db: Genome wide annotation for Human (Version 3.20.0) [R package]. Bioconductor. https://bioconductor.org/packages/org.Hs.eg.db/

Hao, R., Du, H., Guo, L., Tian, F., An, N., Yang, T., Wang, C., Wang, B., & Zhou, Z. (2017). Identification of dysregulated genes in rheumatoid arthritis based on bioinformatics analysis. *PeerJ*, *2017*(3), e3078. https://doi.org/10.7717/PEERJ.3078/SUPP-2

Ishikawa, Y., & Terao, C. (2020). The Impact of Cigarette Smoking on Risk of Rheumatoid Arthritis: A Narrative Review. *Cells*, *9*(2), 475. https://doi.org/10.3390/CELLS9020475

Jahid, M., Khan, K. U., Rehan-Ul-Haq, & Ahmed, R. S. (2023). Overview of Rheumatoid Arthritis and Scientific Understanding of the Disease. *Mediterranean Journal of Rheumatology*, *34*(3), 284. https://doi.org/10.31138/MJR.20230801.OO

Jiang, L. Q., Zhang, R. Di, Musonye, H. A., Zhao, H. Y., He, Y. S., Zhao, C. N., He, T., Tian, T., Gao, Z. X., Fang, Y., Wang, P., Ni, J., & Pan, H. F. (2024). Hormonal and reproductive factors in relation to the risk of rheumatoid arthritis in women: a prospective cohort study with 223 526 participants. *RMD Open*, *10*(1). <https://doi.org/10.1136/RMDOPEN-2023-003338>

Liao, Y., Smyth, G. K., & Shi, W. (2019). The Rsubread package for alignment and quantification of RNA sequencing reads. *Nucleic Acids Research, 47*(8), e47. https://doi.org/10.1093/nar/gkz114

Love, M. I., Huber, W., & Anders, S. (2014). Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2. *Genome Biology, 15*(12), 550. <https://doi.org/10.1186/s13059-014-0550-8>

Luo, W., & Brouwer, C. (2013). Pathview: An R/Bioconductor package for pathway-based data integration and visualization. *Bioinformatics, 29*(14), 1830–1831. https://doi.org/10.1093/bioinformatics/btt285

Morgan, M., Pagès, H., & Obenchain, V. (2023). Rsamtools: Binary alignment (BAM), FASTA, variant call (BCF) and tabix file import (Version 2.22.0) [R package]. Bioconductor. https://bioconductor.org/packages/Rsamtools/

Poudel, D., George, M. D., & Baker, J. F. (2020). The Impact of Obesity on Disease Activity and Treatment Response in Rheumatoid Arthritis. *Current Rheumatology Reports*, *22*(9), 56. https://doi.org/10.1007/S11926-020-00933-4

Pradeepkiran, J. A. (2019). Insights of rheumatoid arthritis risk factors and associations. *Journal of Translational Autoimmunity*, *2*, 100012. <https://doi.org/10.1016/J.JTAUTO.2019.100012>

R Core Team. (2024). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. [https://www.R-project.org/](https://www.r-project.org/)

Schett, G., Tanaka, Y., & Isaacs, J. D. (2021). Why remission is not enough: underlying disease mechanisms in RA that prevent cure. *Nature Reviews Rheumatology*, *17*(3), 135–144. <https://doi.org/10.1038/S41584-020-00543-5;SUBJMETA=1670,1750,256,4023,420,498,692,700;KWRD=INFLAMMATION,PROGNOSIS,RHEUMATOID+ARTHRITIS>

Tenenbaum, D. (2023). KEGGREST: Client-side REST access to KEGG (Version 1.46.0) [R package]. Bioconductor. <https://bioconductor.org/packages/KEGGREST/>

Wickham, H. (2016). *ggplot2: Elegant graphics for data analysis*. Springer-Verlag New York. https://ggplot2.tidyverse.org

Wickham, H., François, R., Henry, L., & Müller, K. (2023). dplyr: A grammar of data manipulation (Version 1.1.4) [R package]. CRAN. https://CRAN.R-project.org/package=dplyr

Wickham, H., Hester, J., & Bryan, J. (2023). readr: Read rectangular text data (Version 2.1.5) [R package]. CRAN. <https://CRAN.R-project.org/package=readr>

Wu, T., Hu, E., Xu, S., Chen, M., Guo, P., Dai, Z., ... & Yu, G. (2021). clusterProfiler 4.0: A universal enrichment tool for interpreting omics data. *The Innovation, 2*(3), 100141. https://doi.org/10.1016/j.xinn.2021.100141

Yunt, Z. X., & Solomon, J. J. (2015). Lung Disease in Rheumatoid Arthritis. *Rheumatic Diseases Clinics of North America*, *41*(2), 225. https://doi.org/10.1016/J.RDC.2014.12.004