

DAFTAR PUSTAKA

1. Abdelkader, N.F., Ibrahim, S.M., Moustafa, P.E., dan Elbaset, M.A., 2022. Inosine mitigated diabetic peripheral neuropathy via modulating GLO1/AGE/RAGE/NF- κ B/Nrf2 and TGF- β /PKC/TRPV1 signaling pathways. *Biomedicine & Pharmacotherapy*, **145**: 112395.
2. Allegretti, C., Denuccio, F., Rossato, L., dan D'Arrigo, P., 2020. Polar Head Modified Phospholipids by Phospholipase D-Catalyzed Transformations of Natural Phosphatidylcholine for Targeted Applications: An Overview. *Catalysts*, **10**: 997.
3. Almeida, A., Bolaños, J.P., dan Moreno, S., 2005. Cdh1/Hct1-APC Is Essential for the Survival of Postmitotic Neurons. *The Journal of Neuroscience*, **25**: 8115–8121.
4. An, Q., Sun, C., Li, R., Chen, S., Gu, X., An, S., dkk., 2021. Calcitonin gene-related peptide regulates spinal microglial activation through the histone H3 lysine 27 trimethylation via enhancer of zeste homolog-2 in rats with neuropathic pain. *Journal of Neuroinflammation*, **18**: 117.
5. Ashburner, M., Ball, C.A., Blake, J.A., Botstein, D., Butler, H., Cherry, J.M., dkk., 2000. Gene ontology: tool for the unification of biology. The Gene Ontology Consortium. *Nature genetics*, **25**: 25–29.
6. Avraham, O., Deng, P.-Y., Jones, S., Kuruvilla, R., Semenkovich, C.F., Klyachko, V.A., dkk., 2020. Satellite glial cells promote regenerative growth in sensory neurons. *Nature Communications*, **11**: 4891.
7. Bruntz, R.C., Lindsley, C.W., dan Brown, H.A., 2014. Phospholipase D signaling pathways and phosphatidic acid in cancer and beyond. *Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids*, **1841**: 845–856.
8. Calegari, F. dan others, 2017. Cyclin-dependent kinase 2 controls insulin secretion and mitochondrial morphology in pancreatic β -cells. *Diabetes*, **66**: 1890–1902.
9. Chen, W., He, H., Wang, Jing, Wang, Jiahui, dan Chang, C.A., 2023. Uncovering water effects in protein–ligand recognition: importance in the second hydration shell and binding kinetics. *Physical Chemistry Chemical Physics*, **25**: 2098–2109.
10. Chen, X., Liu, Q., Chen, N., Ma, J., Wu, X., Zhang, H., dkk., 2024. Diagnostic biomarker for type 2 diabetic peripheral neuropathy via comprehensive bioinformatics analysis. *Journal of Diabetes*, **16**: e13506.
11. Chin, C.-H., Chen, S.-H., Wu, H.-H., Ho, C.-W., Ko, M.-T., dan Lin, C.-Y., 2014. cytoHubba: identifying hub objects and sub-networks from complex interactome. *BMC Systems Biology*, **8**: S11.
12. Corona, J.C. dan Duchon, M.R., 2016. PPAR γ as a therapeutic target to rescue mitochondrial function in neurological disease. *Free Radical Biology and Medicine*, **100**: 153–163.
13. D'Arcy, M.S., 2019. Cell death: a review of the major forms of apoptosis, necrosis and autophagy. *Cell biology international*, **43**: 582–592.
14. Ding, Y., Kang, J., Liu, S., Xu, Y., dan Shao, B., 2020. The Protective Effects of Peroxisome Proliferator-Activated Receptor Gamma in Cerebral Ischemia-Reperfusion Injury. *Frontiers in Neurology*, **11**: 588516.
15. Feldman, E.L., Nave, K.-A., Jensen, T.S., dan Bennett, D.L.H., 2017. New Horizons in Diabetic Neuropathy: Mechanisms, Bioenergetics, and Pain. *Neuron*, **93**: 1296–1313.
16. Gu, Y., Qiu, Z.-L., Liu, D.-Z., Sun, G.-L., Guan, Y.-C., Hei, Z.-Q., dkk., 2018. Differential gene expression profiling of the sciatic nerve in type 1 and type 2 diabetic mice. *Biomedical Reports*, .

17. Hidalgo, M.A., Romero, A., Figueroa, J., Cortés, P., Concha, I.I., Hancke, J.L., dkk., 2005. Andrographolide interferes with binding of nuclear factor- κ B to DNA in HL-60-derived neutrophilic cells. *British Journal of Pharmacology*, **144**: 680–686.
18. Hinder, L.M., Roh, J.D., Chen, W., Wesley, J., Tom, V.J., Rone, J., dkk., 2018. Transcriptional networks of progressive diabetic peripheral neuropathy in the BKS db/db mouse. *Neurobiology of Disease*, **114**: 122–131.
19. Hou, Z., Chen, J., Yang, H., Hu, X., dan Yang, F., 2021. PIAS1 alleviates diabetic peripheral neuropathy through SUMOylation of PPAR- γ and miR-124-induced downregulation of EZH2/STAT3. *Cell Death Discovery*, **7**: 372.
20. Kahya, M.C., Nazıroğlu, M., dan Çiğ, B., 2017. Neuroprotection by melatonin on diabetes-induced oxidative stress and Ca²⁺ signaling in hippocampus and dorsal root ganglion of diabetic rats: Involvement of TRPM2 and TRPV1 channels. *Metabolic Brain Disease*, **32**: 337–349.
21. Kanehisa, M., Furumichi, M., Sato, Y., Matsuura, Y., dan Ishiguro-Watanabe, M., 2025. KEGG: biological systems database as a model of the real world. *Nucleic acids research*, **53**: D672–D677.
22. Ketelut-Carneiro, N. dan Fitzgerald, K.A., 2022. Apoptosis, Pyroptosis, and Necroptosis—Oh My! The Many Ways a Cell Can Die. *Journal of Molecular Biology*, **434**: 167378.
23. Korb, O. dan Exner, T., n.d. Protein-Ligand ANT System user manual for version 1.2.
24. Koseoglu, M.M. dan others, 2019. Aberrant neuronal cell cycle re-entry: The pathological consequences in neurodegeneration. *Frontiers in Cellular Neuroscience*, **13**: 137.
25. Krieger, E. dan Vriend, G., 2014. YASARA View—molecular graphics for all devices—from smartphones to workstations. *Bioinformatics*, **30**: 2981–2982.
26. Krishnan, A., Purdy, K., Chandrasekhar, A., Martinez, J., Cheng, C., dan Zochodne, D.W., 2017. A BRCA1-Dependent DNA Damage Response in the Regenerating Adult Peripheral Nerve Milieu. *Molecular Neurobiology*, .
27. Lee, K.H., Lee, S.-J., Lee, H.J., Choi, G.E., Jung, Y.H., Kim, D.I., dkk., 2017. Amyloid β 1-42 (A β 1-42) Induces the CDK2-Mediated Phosphorylation of Tau through the Activation of the mTORC1 Signaling Pathway While Promoting Neuronal Cell Death. *Frontiers in Molecular Neuroscience*, **10**: 229.
28. Luo, W. dan Brouwer, C., 2013. Pathview: an R/Bioconductor package for pathway-based data integration and visualization. *Bioinformatics*, **29**: 1830–1831.
29. McDermott, M.I., Mousley, C.J., dan Bankaitis, V.A., 2019. Mammalian phospholipase D: Function, and therapeutics. *Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids*, **1791**: 928–944.
30. Nandakumar, S. dan others, 2021. Cell cycle re-entry in the nervous system. *Frontiers in Cell and Developmental Biology*, **9**: 698661.
31. Nicolaou, S.A., Neumeier, L., Takimoto, K., Lee, S.M., Duncan, H.J., Kant, S.K., dkk., 2010. Differential calcium signaling and Kv1.3 trafficking to the immunological synapse in systemic lupus erythematosus. *Cell Calcium*, **47**: 19–28.
32. Nie, B.-X., Zhao, G., Yuan, X.-F., Yu, L.-X., Zhang, J., Yuan, Y., dkk., 2022. Inhibition of CDK1 attenuates neuronal apoptosis and autophagy and confers neuroprotection after chronic spinal cord injury in vivo. *Journal of chemical neuroanatomy*, **119**: 102053.
33. Rayner, M.L.D., Kellaway, S.C., Kingston, I., Guillemot-Legris, O., Gregory, H., Healy, J., dkk., 2022. Exploring the Nerve Regenerative Capacity of Compounds with Differing Affinity for PPAR γ In Vitro and In Vivo. *Cells*, **12**: 42.

34. Robinson, M.D., McCarthy, D.J., dan Smyth, G.K., 2010. edgeR : a Bioconductor package for differential expression analysis of digital gene expression data. *Bioinformatics*, **26**: 139–140.
35. Sabourin, J., Lamiche, C., Vandebrouck, A., Magaud, C., Rivet, J., Cognard, C., dkk., 2017. Regulation of Orai and STIM expression by glucose in dorsal root ganglion neurons. *Scientific Reports*, **7**: 41523.
36. Saurus, P. dan colleagues, 2016. Knockdown of cyclin-dependent kinase 2 increases podocyte apoptosis by impairing Akt signaling. *Diabetologia*, **59**: 601–612.
37. Schrödinger, L. dan DeLano, W., 2020. PyMOL.
38. Seo, J.Y., Pyo, E., An, J.-P., Kim, J., Sung, S.H., dan Oh, W.K., 2017. Andrographolide Activates Keap1/Nrf2/ARE/HO-1 Pathway in HT22 Cells and Suppresses Microglial Activation by A β_{42} through Nrf2-Related Inflammatory Response. *Mediators of Inflammation*, **2017**: 1–12.
39. Shen, Y., Ding, Zhuofeng, Ma, S., Zou, Y., Yang, X., Ding, Zijin, dkk., 2020. Targeting aurora kinase B alleviates spinal microgliosis and neuropathic pain in a rat model of peripheral nerve injury. *Journal of Neurochemistry*, **152**: 72–91.
40. Shukla, 2013. Placeholder title for Shukla2013. *Placeholder Journal*, .
41. Thakar, S., Katakia, Y.T., Ramakrishnan, S.K., Pandya Thakkar, N., dan Majumder, S., 2021. Intermittent High Glucose Elevates Nuclear Localization of EZH2 to Cause H3K27me3-Dependent Repression of KLF2 Leading to Endothelial Inflammation. *Cells*, **10**: 2548.
42. Titus, S., Li, F., Stobezki, R., Akula, K., Unsal, E., Jeong, K., dkk., 2013. Impairment of BRCA1-Related DNA Double-Strand Break Repair Leads to Ovarian Aging in Mice and Humans. *Science Translational Medicine*, **5**: .
43. Tu, Y., Chen, Z., Zhang, F., Di, Z., Zhang, J., dan Cai, L., 2020. Gene Expression Profiling of the Sciatic Nerve in Streptozotocin-Induced Diabetic Rats with Peripheral Neuropathy. *Journal of Diabetes Research*, **2020**: 1–14.
44. Wallace, A.C., Laskowski, R.A., dan Thornton, J.M., 1995. LIGPLOT: a program to generate schematic diagrams of protein-ligand interactions. *Protein engineering*, **8**: 127–134.
45. Wan, T.T., 2015. Role of calpain in the development of diabetes-associated complications. *Journal of Diabetes Research*, **2015**: 463262.
46. Wiczfinska, J., Gruchała, M., dan Szemraj, J., 2015. NOX modifiers—Just a step away from application in the clinic. *Oxidative Medicine and Cellular Longevity*, **2015**: 4543397.
47. Wu, J., Kharebava, G., Piao, C., Stoica, B.A., Dinizo, M., Sabirzhanov, B., dkk., 2012. Inhibition of E2F1/CDK1 Pathway Attenuates Neuronal Apoptosis In Vitro and Confers Neuroprotection after Spinal Cord Injury In Vivo. *PLoS ONE*, **7**: e42129.
48. Xia, Y.-F., Ye, B.-Q., Li, Y.-D., Wang, J.-G., He, X.-J., Lin, X., dkk., 2004. Andrographolide attenuates inflammation by inhibition of NF-kappa B activation through covalent modification of reduced cysteine 62 of p50. *Journal of immunology (Baltimore, Md. : 1950)*, **173**: 4207–4217.
49. Ye, S., Cheng, Z., Zhuo, D., dan Liu, S., 2024. Different Types of Cell Death in Diabetic Neuropathy: A Focus on Mechanisms and Therapeutic Strategies. *International Journal of Molecular Sciences*, **25**: 8126.
50. Zhu, J., 2024. Diabetic peripheral neuropathy: Pathogenetic mechanisms and therapeutic approaches. *Frontiers in Endocrinology*, **15**: 1443129.
51. Zhu, L., Hao, J., Cheng, M., Zhang, C., Huo, C., Liu, Y., dkk., 2018. Hyperglycemia-induced Bcl-2/Bax-mediated apoptosis of Schwann cells via mTORC1/S6K1 inhibition in diabetic peripheral neuropathy. *Experimental Cell Research*, **367**: 186–195.

