

REFERENCES

- Ahmed, R. M., Halmagyi, G. M., & Rodriguez, M. L. (2013). Rapidly progressive dementia and ataxia in an elderly man. *Practical Neurology*, 13(3), 165-173. doi:10.1136/practneurol-2012-000443
- Amor, S., Puentes, F., Baker, D., & Valk, P. V. (2010). Inflammation in neurodegenerative diseases. *Immunology*, 129(2), 154-169. doi:10.1111/j.1365-2567.2009.03225.x
- An, K., Jung, J. H., Jeong, A. Y., Kim, H. G., Jung, S. Y., Lee, K., . . . Kim, J. (2014). Neuritin can normalize neural deficits of Alzheimer's disease. *Cell Death & Disease*, 5(11). doi:10.1038/cddis.2014.478
- Arthur, K. C., Calvo, A., Price, T. R., Geiger, J. T., Chiò, A., & Traynor, B. J. (2016). Projected increase in amyotrophic lateral sclerosis from 2015 to 2040. *Nature Communications*, 7, 12408. doi:10.1038/ncomms12408
- Bas, A., Forsberg, G., Hammarstrom, S., & Hammarstrom, M. (2004). Utility of the Housekeeping Genes 18S rRNA, beta-Actin and Glyceraldehyde-3-Phosphate-Dehydrogenase for Normalization in Real-Time Quantitative Reverse Transcriptase-Polymerase Chain Reaction Analysis of Gene Expression in Human T Lymphocytes. *Scandinavian Journal of Immunology*, 59(6), 566-573. doi:10.1111/j.0300-9475.2004.01440.x
- Brown, R. C., Lockwood, A. H., & Sonawane, B. R. (2005). Neurodegenerative Diseases: An Overview of Environmental Risk Factors. *Environmental Health Perspectives*, 113(9), 1250-1256. doi:10.1289/ehp.7567
- Canon, R. J., & Timothy, J. (2011). Role of Environmental Exposures in Neurodegeneration and Neurodegenerative Diseases | Toxicological Sciences | Oxford Academic. Retrieved from <https://doi.org/10.1093/toxsci/kfr239>

Cappelletti, G., Galbiati, M., Ronchi, C., Maggioni, M. G., Onesto, E., & Poletti, A. (2007). Neuritin (cpg15) enhances the differentiating effect of NGF on neuronal PC12 cells. *Journal of Neuroscience Research*, 85(12), 2702-2713. doi:10.1002/jnr.21235

Chen, X., & Pan, W. (2015). The Treatment Strategies for Neurodegenerative Diseases by Integrative Medicine. *Integrative Medicine International*, 1(4), 223-225. doi:10.1159/000381546

Choi, Y., Lee, K., Ryu, J., Kim, H. G., Jeong, A. Y., Woo, R., . . . Kim, H. (2014). Neuritin Attenuates Cognitive Function Impairments in Tg2576 Mouse Model of Alzheimers Disease. *PLoS ONE*, 9(8). doi:10.1371/journal.pone.0104121

Clancy, S. & Brown, W. (2008) Translation: DNA to mRNA to Protein. *Nature Education* 1(1):101

Czarnek, M., & Bereta, J. (2017). SmartFlares fail to reflect their target transcripts levels. *Scientific Reports*, 7(1). doi:10.1038/s41598-017-11067-6

Czarnek, M., & Bereta, J. (2017). SmartFlares fail to reflect their target transcripts levels. *Scientific Reports*, 7(1). doi:10.1038/s41598-017-11067-6

Ferri, C. P., Prince, M., Brayne, C., Brodaty, H., Fratiglioni, L., Ganguli, M., . . . Scazufca, M. (2005). Global prevalence of dementia: A Delphi consensus study. *The Lancet*, 366(9503), 2112-2117. doi:10.1016/s0140-6736(05)67889-0

Filbin, M. T. (2003). Myelin-associated inhibitors of axonal regeneration in the adult mammalian CNS. *Nature Reviews Neuroscience*, 4(9), 703-713. doi:10.1038/nrn1195

Fujino T., Leslie J. H., Eavri R., Chen J. L., Lin W. C., Flanders G. H., et al. . (2011). CPG15 regulates synapse stability in the developing and adult brain. *Genes Dev.* 25, 2674–2685. 10.1101/gad.176172.111

- Gitler, A. D., Dhillon, P., & Shorter, J. (2017). Neurodegenerative disease: Models, mechanisms, and a new hope. *Disease Models & Mechanisms*, 10(5), 499-502. doi:10.1242/dmm.030205
- Goldman, R. (2000). Antibodies: Indispensable tools for biomedical research. *Trends in Biochemical Sciences*, 25(12), 593-595. doi:10.1016/s0968-0004(00)01725-4
- Grau, C. M., & Greene, L. A. (2012). Use of PC12 Cells and Rat Superior Cervical Ganglion Sympathetic Neurons as Models for Neuroprotective Assays Relevant to Parkinson's Disease. *Neurotrophic Factors Methods in Molecular Biology*, 201-211. doi:10.1007/978-1-61779-536-7_18
- Greene, L. A., & Tischler, A. S. (1976). Establishment of a noradrenergic clonal line of rat adrenal pheochromocytoma cells which respond to nerve growth factor. *Proceedings of the National Academy of Sciences*, 73(7), 2424-2428. doi:10.1073/pnas.73.7.2424
- Guo, Y., Xiao, P., Lei, S., Deng, F., Xiao, G. G., Liu, Y., . . . Deng, H. (2008). How is mRNA expression predictive for protein expression? A correlation study on human circulating monocytes. *Acta Biochimica Et Biophysica Sinica*, 40(5), 426-436. doi:10.1111/j.1745-7270.2008.00418.x
- Heemels, M. (2016). Neurodegenerative diseases. *Nature*, 539(7628), 179-179. doi:10.1038/539179a
- Higgins, S., Lee, J. S., Ha, L., & Lim, J. Y. (2013). Inducing Neurite Outgrowth by Mechanical Cell Stretch. *BioResearch Open Access*, 2(3), 212-216. doi:10.1089/biores.2013.0008
- Huang, E. J., & Reichardt, L. F. (2001). Neurotrophins: Roles in Neuronal Development and Function. *Annual Review of Neuroscience*, 24(1), 677-736. doi:10.1146/annurev.neuro.24.1.677
- Jones, C. M., & Coleman, S. (2007). Neurodegenerative Diseases. *Palliative Care*, 382-395. doi:10.1016/b978-141602597-9.10026-2

Journal of Neurodegenerative Diseases and Disorders. (n.d.). Retrieved from
<http://www.imedpub.com/neurodegenerative-diseases-disorders/>

Karamoysyoli, E., Burnand, R. C., Tomlinson, D. R., & Gardiner, N. J. (2008). Neuritin Mediates Nerve Growth Factor Induced Axonal Regeneration and Is Deficient in Experimental Diabetic Neuropathy. *Diabetes*, 57(1), 181-189. doi:10.2337/db07-0895

Katsnelson, A., Strooper, B. D., & Zoghbi, H. Y. (2016). Neurodegeneration: From cellular concepts to clinical applications. *Science Translational Medicine*, 8(364). doi:10.1126/scitranslmed.aal2074

Khanahmadi M, Malmir M, Farhud DD. (2014). Nutrition and its effect on Alzheimer's disease. *Nutrition and Health*

Khanahmadi, M., Farhud, D. D., & Malmir, M. (2015). Genetic of Alzheimer's Disease: A Narrative Review Article. *Iran J Public Health*, 44(7):892-901

Kovacs, G. (2016). Molecular Pathological Classification of Neurodegenerative Diseases: Turning towards Precision Medicine. *International Journal of Molecular Sciences*, 17(2), 189. doi:10.3390/ijms17020189

Kuo, H., Lu, C., Shen, C., Tung, S., Hsieh, M. C., Lee, K., . . . Lee, K. (2016). Hericium erinaceus mycelium and its isolated erinacine A protection from MPTP-induced neurotoxicity through the ER stress, triggering an apoptosis cascade. *Journal of Translational Medicine*, 14(1). doi:10.1186/s12967-016-0831-y

Lassonde, M., Candel, S., Hacker, J., Quadrio-Curzio, A., Onishi, T., Ramakrishnan, V., & McNutt, M. (2017). The Challenge of Neurodegenerative Diseases in an Aging Population. *Trends In The Sciences*, 22(6). doi:10.5363/tits.22.6_92

Levenson, R. W., Sturm, V. E., & Haase, C. M. (2014). Emotional and Behavioral Symptoms in Neurodegenerative Disease: A Model for Studying the Neural Bases of Psychopathology. *Annual Review of Clinical Psychology*, 10(1), 581-606. doi:10.1146/annurev-clinpsy-032813-153653

Liu, J., Lamb, D., Chou, M. M., Liu, Y., & Li, G. (2007). Nerve Growth Factor-mediated Neurite Outgrowth via Regulation of Rab5. *Molecular Biology of the Cell*, 18(4), 1375-1384. doi:10.1091/mcb.e06-08-0725

McKhann, G., Drachman, D., Folstein, M., Katzman, R., Price, D., & Stadlan, E. M. (2011). Clinical diagnosis of Alzheimer's disease: Report of the NINCDS--ADRDA Work Group under the auspices of Department of Health and Human Services Task Force on Alzheimer's Disease. *Neurology*, 77(4), 333-333. doi:10.1212/01.wnl.0000400650.92875.cf

Mori, K., Obara, Y., Hirota, M., Azumi, Y., Kinugasa, S., Inatomi, S., & Nakahata, N. (2008). Nerve Growth Factor-Inducing Activity of Hericium erinaceus in 1321N1 Human Astrocytoma Cells. *Biological & Pharmaceutical Bulletin*, 31(9), 1727-1732. doi:10.1248/bpb.31.1727

Naeve, G. S., Ramakrishnan, M., Kramer, R., Hevroni, D., Citri, Y., & Theill, L. E. (1997). Neuritin: A gene induced by neural activity and neurotrophins that promotes neuritogenesis. *Proceedings of the National Academy of Sciences*, 94(6), 2648-2653. doi:10.1073/pnas.94.6.2648

Nedivi E., Hevroni D., Naot D., Israeli D., & Citri Y. (1993). Numerous candidate plasticity-related genes revealed by differential cDNA cloning. *Nature* 363, 718–722. 10.1038/363718a0

Nedivi E., Wu G. Y., & Cline H. T. (1998). Promotion of dendritic growth by CPG15, an activity-induced signaling molecule. *Science* 281, 1863–1866. 10.1126/science.281.5384.1863

Nussbaum, R. L., & Ellis, C. E. (2003). Alzheimers Disease and Parkinsons Disease. *New England Journal of Medicine*, 348(14), 1356-1364. doi:10.1056/nejm2003ra020003

Phan, C., David, P., Naidu, M., Wong, K., & Sabaratnam, V. (2014). Therapeutic potential of culinary-medicinal mushrooms for the management of neurodegenerative diseases: Diversity, metabolite, and mechanism. *Critical Reviews in Biotechnology*, 35(3), 355-368. doi:10.3109/07388551.2014.887649

Pheochromocytoma: Practice Essentials, Background, Pathophysiology. (2018, May 16). Retrieved from <https://emedicine.medscape.com/article/124059-overview>

Rao, X., Huang, X., Zhou, Z., & Lin, X. (2013). An improvement of the 2^(-delta delta CT) method for quantitative real-time polymerase chain reaction data analysis. *Biostatistics, Bioinformatics and Biomathematics*, 3(3), 71–85.

Selkoe, D. J. & Lansbury, P. J. Jr. (1999). Alzheimer's Disease Is the Most Common Neurodegenerative Disorder. In: Siegel GJ, Agranoff BW, Albers RW, et al., editors. *Basic Neurochemistry: Molecular, Cellular and Medical Aspects*. 6th edition. Philadelphia: Lippincott-Raven. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK27944/>

Seow, S. L., Eik, L., Naidu, M., David, P., Wong, K., & Sabaratnam, V. (2015). Lignosus rhinocerotis (Cooke) Ryvarden mimics the neuritogenic activity of nerve growth factor via MEK/ERK1/2 signaling pathway in PC-12 cells. *Scientific Reports*, 5(1). doi:10.1038/srep16349

Shimada, T., Sugiura, H., & Yamagata, K. (2013). Neuritin: A therapeutic candidate for promoting axonal regeneration. *World Journal of Neurology*, 3(4), 138. doi:10.5316/wjn.v3.i4.138

Sparks, D. L., Sabbagh, M. N., Connor, D. J., Lopez, J., Launer, L. J., Browne, P., . . . Ziolwolski, C. (2005). Atorvastatin for the Treatment of Mild to Moderate Alzheimer Disease. *Archives of Neurology*, 62(5), 753. doi:10.1001/archneur.62.5.753

Szpara, M. L., Vranizan, K., Tai, Y., Goodman, C. S., Speed, T. P., & Ngai, J. (2007). Analysis of gene expression during neurite outgrowth and regeneration. *BMC Neuroscience*, 8(1), 100. doi:10.1186/1471-2202-8-100

Tan, C. S., Ng, S. T., Yap, Y. H. Y., Lee, S. S., Lee, M. L. et al. Breathing new life to a Malaysia lost national treasure – the tiger's milk mushroom (*Lignosus rhinocerotis*) in Mushroom Science XVIII: Proceedings of the 18th Congress of the International Society for Mushroom Science (eds Zhang, J. et al.) 66–71 (Beijing, China, 2012).

Tuli, L., & Ressom, H. W. (2009). LC–MS Based Detection of Differential Protein Expression. *Journal of Proteomics & Bioinformatics*, 02(10), 416-438. doi:10.4172/jpb.1000102

Tuszynski, M. H., Yang, J. H., Barba, D., U, H., Bakay, R. A., Pay, M. M., . . . Nagahara, A. H. (2015). Nerve Growth Factor Gene Therapy. *JAMA Neurology*, 72(10), 1139. doi:10.1001/jamaneurol.2015.1807

Weis, A. L., & Wasser, S. P. (1999). Therapeutic Effects of Substances Occurring in Higher Basidiomycetes Mushrooms: A Modern Perspective. *Critical Reviews™ in Immunology*, 19(1), 32. doi:10.1615/critrevimmunol.v19.i1.30

Yang, P., & Mahmood, T. (2012). Western blot: Technique, theory, and trouble shooting. North American *Journal of Medical Sciences*, 4(9), 429. doi:10.4103/1947-2714.100998

Zarei, S., Carr, K., Reiley, L., Diaz, K., Guerra, O., Altamirano, P., . . . Chinea, A. (2015). A comprehensive review of amyotrophic lateral sclerosis. *Surgical Neurology International*, 6(1), 171. doi:10.4103/2152-7806.169561

Zhang, P., Luo, X., Guo, Z., Xiong, A., Dong, H., Zhang, Q., . . . Huang, J. (2017). Neuritin Inhibits Notch Signaling through Interacted with Neuralized to Promote the Neurite Growth. *Frontiers in Molecular Neuroscience*, 10. doi:10.3389/fnmol.2017.00179

Zhou, L., Lim, Q., Wan, G., & Too, H. (2010). Normalization with genes encoding ribosomal proteins but not GAPDH provides an accurate quantification of gene expressions in neuronal differentiation of PC12 cells. *BMC Genomics*, 11(1), 75. doi:10.1186/1471-2164-11-75