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'A Technicolour Approach to the Connectome.' n.d.

<http://www.nature.com.ezproxy.library.qmul.ac.uk/nrn/journal/v9/n6/pdf/nrn2391.pdf>.

'Axonal Transport Deficits and Neurodegenerative Diseases - Nrn3380.Pdf'. n.d.

<http://www.nature.com/nrn/journal/v14/n3/pdf/nrn3380.pdf>.

Baker, Mark D., Sonia Y. Chandra, Yanning Ding, Stephen G. Waxman, and John N. Wood. 2003. 'GTP-Induced Tetrodotoxin-Resistant Na⁺ Current Regulates Excitability in Mouse and Rat Small Diameter Sensory Neurons'. *The Journal of Physiology* 548 (2): 373–82. <https://doi.org/10.1111/j.1469-7793.2003.00373.x>.

'Buhl, Halasy & Somogyi (1994) Diverse Sources of Hippocampal Unitary Inhibitory Postsynaptic Potentials and the Number of Synaptic Release Sites. *Nature* 368: 823-828'. n.d.

<http://www.nature.com.ezproxy.library.qmul.ac.uk/nature/journal/v368/n6474/pdf/368823a0.pdf>.

Byrne, John H., and James Lewis Roberts. 2009. *From Molecules to Networks: An Introduction to Cellular and Molecular Neuroscience*. 2nd ed. Amsterdam: Academic Press/Elsevier. <http://catdir.loc.gov/catdir/toc/ecip0823/2008029618.html>.

Catterall, William A., and Frank H. Yu. 2006. 'Painful Channels'. *Neuron* 52 (5): 743–44. <https://doi.org/10.1016/j.neuron.2006.11.017>.

Connor, J.A., and C.F Stevens. n.d. 'Prediction of Repetitive Firing Behaviour from Voltage Clamp Data on an Isolated Neurone Soma'. *The Journal of Physiology* 213 (1). <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1331721/>.

'Constitutive and Induced Neurogenesis in the Adult Mammalian Brain: Manipulation of Endogenous Precursors toward CNS Repair. - PubMed - NCBI'. n.d. <http://www.ncbi.nlm.nih.gov/pubmed/15711054>.

Cox, James J., Frank Reimann, Adeline K. Nicholas, Gemma Thornton, Emma Roberts, Kelly Springell, Gulshan Karbani, et al. 2006. 'An SCN9A Channelopathy Causes Congenital Inability to Experience Pain'. *Nature* 444 (7121): 894–98. <https://doi.org/10.1038/nature05413>.

Fertleman, Caroline R., Mark D. Baker, Keith A. Parker, Sarah Moffatt, Frances V. Elmslie, Bjarke Abrahamsen, Johan Ostman, et al. 2006. 'SCN9A Mutations in Paroxysmal Extreme Pain Disorder: Allelic Variants Underlie Distinct Channel Defects and Phenotypes'. *Neuron*

52 (5): 767–74. <https://doi.org/10.1016/j.neuron.2006.10.006>.

Hille, Bertil. 2001. *Ion Channels of Excitable Membranes*. 3rd ed. Sunderland, Mass: Sinauer.

'Integrated Brain Circuits: Astrocytic Networks Modulate Neuronal Activity and Behavior'. n.d. <http://www.annualreviews.org.ezproxy.library.qmul.ac.uk/doi/pdf/10.1146/annurev-physiol-021909-135843>.

Kandel, Eric R., Henry Markram, Paul M. Matthews, Rafael Yuste, and Christof Koch. 2013. 'Neuroscience Thinks Big (and Collaboratively)'. *Nature Reviews Neuroscience* 14 (9): 659–64. <https://doi.org/10.1038/nrn3578>.

Kandel, Eric R., James H. Schwartz, and Thomas M. Jessell. 2000a. *Principles of Neural Science*. 4th ed. New York: McGraw-Hill, Health Professions Division.

———. 2000b. *Principles of Neural Science*. 4th ed. New York: McGraw-Hill, Health Professions Division.

Klein, Corinna, and Gord Fishell. 2004. 'Neural Stem Cells: Progenitors or Panacea?' *Developmental Neuroscience* 26 (2–4): 82–92. <https://doi.org/10.1159/000082129>.

Levitan, Irwin B., and Leonard K. Kaczmarek. 2002. *The Neuron: Cell and Molecular Biology*. 3rd ed. New York: Oxford University Press.

Marianne Fyhn, Sturla Molden, Menno P. Witter, Edvard I. Moser and May-Britt Moser. 2004. 'Spatial Representation in the Entorhinal Cortex'. *Science* 305 (5688): 1258–64. http://ezproxy.library.qmul.ac.uk/login?url=http://www.jstor.org/stable/3837659?pq-origsite=summon&seq=1#page_scan_tab_contents.

Nakazawa, Kazu, Thomas J. McHugh, Matthew A. Wilson, and Susumu Tonegawa. 2004. 'NMDA Receptors, Place Cells and Hippocampal Spatial Memory'. *Nature Reviews Neuroscience* 5 (5): 361–72. <https://doi.org/10.1038/nrn1385>.

Nassar, M. A., L. C. Stirling, G. Forlani, M. D. Baker, E. A. Matthews, A. H. Dickenson, and J. N. Wood. 2004. 'Nociceptor-Specific Gene Deletion Reveals a Major Role for Nav1.7 (PN1) in Acute and Inflammatory Pain'. *Proceedings of the National Academy of Sciences* 101 (34): 12706–11. <https://doi.org/10.1073/pnas.0404915101>.

Nicchitta, Christopher. 2007a. 'Endoplasmic Reticulum, Protein Synthesis and Translocation Machinery'. *The Endoplasmic Reticulum: Fundamentals and Role in Disease*. http://hstalks.com/main/view_talk.php?t=97&r=17&c=252.

———. 2007b. 'Endoplasmic Reticulum, Protein Synthesis and Translocation Machinery'. *The Endoplasmic Reticulum: Fundamentals and Role in Disease*. http://hstalks.com/main/view_talk.php?t=97&r=17&c=252.

Nicholls, John G. 2001. *From Neuron to Brain*. 4th ed. Sunderland, Mass., U.S.A.: Sinauer Associates.

———. 2012. *From Neuron to Brain*. 5th ed. Sunderland, Mass: Sinauer Associates.

'Nicoll, RA (1994) Cajal's Rational Psychology. *Nature* 368: 808 (View on Buhl et al Paper)'. n.d.
<http://www.nature.com.ezproxy.library.qmul.ac.uk/nature/journal/v368/n6474/pdf/368808a0.pdf>.

'Nociceptive and Thermoreceptive Lamina I Neurons Are Anatomically Distinct'. n.d.
http://www.nature.com/neuro/journal/v1/n3/pdf/nn0798_218.pdf#page=1&zoom=auto,-73,792.

O'Keefe, J., and J. Dostrovsky. 1971. 'The Hippocampus as a Spatial Map. Preliminary Evidence from Unit Activity in the Freely-Moving Rat'. *Brain Research* 34 (1): 171–75.
[https://doi.org/10.1016/0006-8993\(71\)90358-1](https://doi.org/10.1016/0006-8993(71)90358-1).

O'Keefe, John. 1976. 'Place Units in the Hippocampus of the Freely Moving Rat'. *Experimental Neurology* 51 (1): 78–109. [https://doi.org/10.1016/0014-4886\(76\)90055-8](https://doi.org/10.1016/0014-4886(76)90055-8).

Purves, Dale, J Augustine, George, David Fitzpatrick, C Hall, William, Anthony-Samuel LaMantia, and E White, Leonard. 2012. *Neuroscience*. 5th ed. Sunderland, Mass: Sinauer Associates.

Richardson, W.D.D., N.P. Pringle, W.-P. Yu, and A.C. Hall. 1997. 'Origins of Spinal Cord Oligodendrocytes: Possible Developmental and Evolutionary Relationships with Motor Neurons'. *Developmental Neuroscience* 19 (1): 58–68. <https://doi.org/10.1159/000111186>.

'Role of Axonal Transport in Neurodegenerative Diseases - *Annurev.Neuro.31.061307.090711*'. n.d.
<http://www.annualreviews.org/doi/pdf/10.1146/annurev.neuro.31.061307.090711>.

'Sabbatini, R.M.E.: Neurons and Synapses: The History'. n.d.
http://www.cerebromente.org.br/n17/history/neurons1_i.htm.

Shepherd, Gordon M. 1998. *The Synaptic Organization of the Brain*. 4th ed. New York: Oxford University Press.

Stern, C. D. 2005. 'Neural Induction: Old Problem, New Findings, yet More Questions'. *Development* 132 (9): 2007–21. <https://doi.org/10.1242/dev.01794>.

'Synaptic Vesicle Exocytosis'. n.d.
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3225952/pdf/cshperspect-SYP-a005637.pdf>.

'Targeting Glia Cells: Novel Perspectives for the Treatment of Neuropsychiatric Diseases'. n.d. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3637671/pdf/CN-11-171.pdf>.

'The Discovery of the Neuron | Mo Costandi'. n.d.
<https://neurophilosophy.wordpress.com/2006/08/29/the-discovery-of-the-neuron/>.

Theodore H. Bullock, Michael V. L. Bennett, Daniel Johnston, Robert Josephson, Eve Marder

and R. Douglas Fields. 2005. 'The Neuron Doctrine, Redux'. *Science* 310 (5749): 791–93.
http://www.jstor.org.ezproxy.library.qmul.ac.uk/stable/3842746?pq-origsite=summon&seq=1#page_scan_tab_contents.