

ICM6012: Cellular and Molecular Neuroscience

Academic year 2015-2016

View Online



'A technicolour approach to the connectome.' (no date). Available at:
<http://www.nature.com.ezproxy.library.qmul.ac.uk/nrn/journal/v9/n6/pdf/nrn2391.pdf>.

'Axonal transport deficits and neurodegenerative diseases - nrn3380.pdf' (no date).
Available at: <http://www.nature.com/nrn/journal/v14/n3/pdf/nrn3380.pdf>.

Baker, M.D. et al. (2003) 'GTP-induced tetrodotoxin-resistant Na⁺ current regulates excitability in mouse and rat small diameter sensory neurones', *The Journal of Physiology*, 548(2), pp. 373–382. Available at: <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' (no date). Available at:
<http://www.nature.com.ezproxy.library.qmul.ac.uk/nature/journal/v368/n6474/pdf/368823a0.pdf>.

Byrne, J.H. and Roberts, J.L. (2009) *From molecules to networks: an introduction to cellular and molecular neuroscience*. 2nd ed. Amsterdam: Academic Press/Elsevier. Available at: <http://catdir.loc.gov/catdir/toc/ecip0823/2008029618.html>.

Catterall, W.A. and Yu, F.H. (2006) 'Painful Channels', *Neuron*, 52(5), pp. 743–744. Available at: <https://doi.org/10.1016/j.neuron.2006.11.017>.

Connor, J.A. and Stevens, C.F. (no date) 'Prediction of repetitive firing behaviour from voltage clamp data on an isolated neurone soma', *The Journal of Physiology*, 213(1). Available at: <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' (no date). Available at: <http://www.ncbi.nlm.nih.gov/pubmed/15711054>.

Cox, J.J. et al. (2006) 'An SCN9A channelopathy causes congenital inability to experience pain', *Nature*, 444(7121), pp. 894–898. Available at: <https://doi.org/10.1038/nature05413>.

Fertleman, C.R. et al. (2006) 'SCN9A Mutations in Paroxysmal Extreme Pain Disorder: Allelic Variants Underlie Distinct Channel Defects and Phenotypes', *Neuron*, 52(5), pp. 767–774. Available at: <https://doi.org/10.1016/j.neuron.2006.10.006>.

Hille, B. (2001) *Ion channels of excitable membranes*. 3rd ed. Sunderland, Mass: Sinauer.

Integrated Brain Circuits: Astrocytic networks modulate neuronal activity and behavior (no date). Available at:
<http://www.annualreviews.org.ezproxy.library.qmul.ac.uk/doi/pdf/10.1146/annurev-physiol-021909-135843>.

Kandel, E.R. et al. (2013) 'Neuroscience thinks big (and collaboratively)', *Nature Reviews Neuroscience*, 14(9), pp. 659–664. Available at: <https://doi.org/10.1038/nrn3578>.

Kandel, E.R., Schwartz, J.H. and Jessell, T.M. (2000a) *Principles of neural science*. 4th ed. New York: McGraw-Hill, Health Professions Division.

Kandel, E.R., Schwartz, J.H. and Jessell, T.M. (2000b) *Principles of neural science*. 4th ed. New York: McGraw-Hill, Health Professions Division.

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

Levitan, I.B. and Kaczmarek, L.K. (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), pp. 1258–1264. Available at:
http://ezproxy.library.qmul.ac.uk/login?url=http://www.jstor.org/stable/3837659?pq-origsite=summon&seq=1#page_scan_tab_contents.

Nakazawa, K. et al. (2004) 'NMDA receptors, place cells and hippocampal spatial memory', *Nature Reviews Neuroscience*, 5(5), pp. 361–372. Available at:
<https://doi.org/10.1038/nrn1385>.

Nassar, M.A. et al. (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), pp. 12706–12711. Available at:
<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* [Preprint]. Available at:
http://hstalks.com/main/view_talk.php?t=97&r=17&c=252.

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

Nicholls, J.G. (2001) *From neuron to brain*. 4th ed. Sunderland, Mass., U.S.A.: Sinauer Associates.

Nicholls, J.G. (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)'

(no date). Available at:

<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 (no date).

Available at:

http://www.nature.com/neuro/journal/v1/n3/pdf/nn0798_218.pdf#page=1&zoom=auto,-73,792.

O'Keefe, J. (1976) 'Place units in the hippocampus of the freely moving rat', *Experimental Neurology*, 51(1), pp. 78–109. Available at: [https://doi.org/10.1016/0014-4886\(76\)90055-8](https://doi.org/10.1016/0014-4886(76)90055-8).

O'Keefe, J. and Dostrovsky, J. (1971) 'The hippocampus as a spatial map. Preliminary evidence from unit activity in the freely-moving rat', *Brain Research*, 34(1), pp. 171–175. Available at: [https://doi.org/10.1016/0006-8993\(71\)90358-1](https://doi.org/10.1016/0006-8993(71)90358-1).

Purves, D. et al. (2012) *Neuroscience*. 5th ed. Sunderland, Mass: Sinauer Associates.

Richardson, W.D.D. et al. (1997) 'Origins of Spinal Cord Oligodendrocytes: Possible Developmental and Evolutionary Relationships with Motor Neurons', *Developmental Neuroscience*, 19(1), pp. 58–68. Available at: <https://doi.org/10.1159/000111186>.

Role of Axonal Transport in Neurodegenerative Diseases -

annurev.neuro.31.061307.090711 (no date). Available at:

<http://www.annualreviews.org/doi/pdf/10.1146/annurev.neuro.31.061307.090711>.

Sabbatini, R.M.E.: *Neurons and Synapses: The History* (no date). Available at:

http://www.cerebromente.org.br/n17/history/neurons1_i.htm.

Shepherd, G.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), pp. 2007–2021. Available at: <https://doi.org/10.1242/dev.01794>.

'Synaptic Vesicle Exocytosis' (no date). Available at:

<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' (no date). Available at:

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3637671/pdf/CN-11-171.pdf>.

The discovery of the neuron | Mo Costandi (no date). Available at:

<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), pp. 791–793. Available at:

<http://www.jstor.org.ezproxy.library.qmul.ac.uk/stable/3842746?pq-origsite=summon&am>

p;seq=1#page_scan_tab_contents.