

CLNE0004: Motor Systems and Disease

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Akram, Harith, and others, 'Connectivity Derived Thalamic Segmentation in Deep Brain Stimulation for Tremor', *NeuroImage: Clinical*, 18 (2018), pp. 130–42, doi:10.1016/j.nicl.2018.01.008

Alberts, Bruce, and others, *Essential Cell Biology*, Fourth edition (Garland Science, 2014)

Amthor, Frank, *Neuroscience for Dummies* (Wiley, 2012)

Baev, Konstantin V., 'A New Conceptual Understanding of Brain Function: Basic Mechanisms of Brain-Initiated Normal and Pathological Behaviors', *Critical ReviewsTM in Neurobiology*, 19.2–3 (2007), pp. 119–202, doi:10.1615/CritRevNeurobiol.v19.i2-3.30

Balendra, Rubika, and Rickie Patani, 'Quo Vadis Motor Neuron Disease?', *World Journal of Methodology*, 6.1 (2016), doi:10.5662/wjm.v6.i1.56

Barker, Roger A., Francesca Cicchetti, and Emma S. J. Robinson, *Neuroanatomy and Neuroscience at a Glance*, Fifth edition (Wiley Blackwell, 2018)
<<https://bibliu.com/users/saml/samlUCL?RelayState=eyJjdXN0b21fbGF1bmNoX3VyYbCI6liMvdmlldy9ib29rcy85NzgXMTE5MTY4NDIzL2VwdWlvT1BTL2Z0b2MuaHRtbCJ9>>

Bäumer, Dirk, Kevin Talbot, and Martin R. Turner, 'Advances in Motor Neurone Disease', *Journal of the Royal Society of Medicine*, 107.1 (2014), pp. 14–21, doi:10.1177/0141076813511451

Blackstone, Craig, 'Hereditary Spastic Paraplegia', in *Neurogenetics*, Part II (Elsevier, 2018), cxlviii, pp. 633–52, doi:10.1016/B978-0-444-64076-5.00041-7

Burré, Jacqueline, 'The Synaptic Function of α -Synuclein', *Journal of Parkinson's Disease*, 5.4 (2015), pp. 699–713, doi:10.3233/JPD-150642

Castiello, Umberto, 'The Neuroscience of Grasping', *Nature Reviews Neuroscience*, 6.9 (2005), pp. 726–36, doi:10.1038/nrn1744

Clarke, Charles, and others (eds), *Neurology: A Queen Square Textbook*, Second edition (Wiley Blackwell, 2016)
<<https://onlinelibrary.wiley.com/doi/book/10.1002/9781118486160>>

Davare, Marco, and others, 'Interactions between Areas of the Cortical Grasping Network', *Current Opinion in Neurobiology*, 21.4 (2011), pp. 565–70, doi:10.1016/j.conb.2011.05.021

Dehay, Benjamin, and others, 'Alpha-Synuclein Propagation: New Insights from Animal Models', *Movement Disorders*, 31.2 (2016), pp. 161–68, doi:10.1002/mds.26370

Diamond, Marian Cleeves, Arnold B. Scheibel, and Lawrence M. Elson, *The Human Brain Coloring Book*, 1st ed (Barnes & Noble Books, 1985), cccvi

Dietz, Volker, and Thomas Sinkjaer, 'Spastic Movement Disorder: Impaired Reflex Function and Altered Muscle Mechanics', *The Lancet Neurology*, 6.8 (2007), pp. 725–33, doi:10.1016/S1474-4422(07)70193-X

Friston, Karl, J  r  mie Mattout, and James Kilner, 'Action Understanding and Active Inference', *Biological Cybernetics*, 104.1–2 (2011), pp. 137–60, doi:10.1007/s00422-011-0424-z

Gerbella, Marzio, Stefano Rozzi, and Giacomo Rizzolatti, 'The Extended Object-Grasping Network', *Experimental Brain Research*, 235.10 (2017), pp. 2903–16, doi:10.1007/s00221-017-5007-3

Goodale, Melvyn A., and others, 'Separate Neural Pathways for the Visual Analysis of Object Shape in Perception and Prehension', *Current Biology*, 4.7 (1994), pp. 604–10, doi:10.1016/S0960-9822(00)00132-9

Grafton, Scott T., 'The Cognitive Neuroscience of Prehension: Recent Developments', *Experimental Brain Research*, 204.4 (2010), pp. 475–91, doi:10.1007/s00221-010-2315-2
Institute of Neurology, Queen Square and National Hospital for Neurology and Neurosurgery (London, England), *Neurology: A Queen Square Textbook*, ed. by Charles Clarke and others, Second edition (John Wiley & Sons, Inc, 2016)
<<https://onlinelibrary.wiley.com/doi/book/10.1002/9781118486160>>

Iodice, Valeria, and others, 'Cardiovascular Autonomic Dysfunction in MSA and Parkinson's Disease: Similarities and Differences', *Journal of the Neurological Sciences*, 310.1–2 (2011), pp. 133–38, doi:10.1016/j.jns.2011.07.014

—, and Paola Sandroni, 'Autonomic Neuropathies', *CONTINUUM: Lifelong Learning in Neurology*, 20 (2014), pp. 1373–97, doi:10.1212/01.CON.0000455875.76179.b1

Jakobson, L. S., and M. A. Goodale, 'Factors Affecting Higher-Order Movement Planning: A Kinematic Analysis of Human Prehension', *Experimental Brain Research*, 86.1 (1991), doi:10.1007/BF00231054

Jeannerod, M., and others, 'Grasping Objects: The Cortical Mechanisms of Visuomotor Transformation', *Trends in Neurosciences*, 18.7 (1995), pp. 314–20, doi:10.1016/0166-2236(95)93921-J

Jellinger, Kurt A., 'Neuropathology of Sporadic Parkinson's Disease: Evaluation and Changes of Concepts', *Movement Disorders*, 27.1 (2012), pp. 8–30, doi:10.1002/mds.23795

Johansson, Roland S., and J. Randall Flanagan, 'Coding and Use of Tactile Signals from the Fingertips in Object Manipulation Tasks', *Nature Reviews Neuroscience*, 10.5 (2009), pp. 345–59, doi:10.1038/nrn2621

—, and J. Randall Flanagan, 'Sensory Control of Object Manipulation', in *Sensorimotor Control of Grasping*, ed. by Dennis A. Nowak and Joachim Hermsdorfer (Cambridge University Press, 2009), pp. 141–60, doi:10.1017/CBO9780511581267.012

Johns, Paul, *Clinical Neuroscience: An Illustrated Colour Text* (Churchill Livingstone, 2014) <<https://www.clinicalkey.com/student/content/toc/3-s2.0-C20090355117>>

Kandel, Eric R., and others (eds), *Principles of Neural Science*, Fifth edition (McGraw Hill Medical, 2013) <<https://neurology-mhmedical-com.libproxy.ucl.ac.uk/book.aspx?bookid=1049>>

Körding, Konrad P., and Daniel M. Wolpert, 'Bayesian Decision Theory in Sensorimotor Control', *Trends in Cognitive Sciences*, 10.7 (2006), pp. 319–26, doi:10.1016/j.tics.2006.05.003

Kratz, René Fester, *Molecular & Cell Biology for Dummies* (Wiley, 2009)

Krebs, Jocelyn E., and others, *Lewin's Genes X*, International ed (Jones and Bartlett, 2011) <<https://app.kortext.com/Shibboleth.sso/Login?entityID=https://shib-idp.ucl.ac.uk/shibboleth&target=https://app.kortext.com/borrow/323975>>

Kumaran, Ravindran, and Mark R. Cookson, 'Pathways to Parkinsonism Redux: Convergent Pathobiological Mechanisms in Genetics of Parkinson's Disease', *Human Molecular Genetics*, 24.R1 (2015), pp. R32–44, doi:10.1093/hmg/ddv236

Lemon, Roger N., 'Descending Pathways in Motor Control', *Annual Review of Neuroscience*, 31.1 (2008), pp. 195–218, doi:10.1146/annurev.neuro.31.060407.125547

—, 'Descending Pathways in Motor Control', *Annual Review of Neuroscience*, 31.1 (2008), pp. 195–218, doi:10.1146/annurev.neuro.31.060407.125547

Levitan, Irwin B., and Leonard K. Kaczmarek, *The Neuron: Cell and Molecular Biology*, Fourth edition (Oxford University Press, 2015) <<http://dx.doi.org/10.1093/med/9780199773893.001.0001>>

Marsden, C. D., and J. A. Obeso, 'The Functions of the Basal Ganglia and the Paradox of Stereotaxic Surgery in Parkinson's Disease', *Brain*, 117.4 (1994), pp. 877–97, doi:10.1093/brain/117.4.877

Mathias, Christopher J., and Sir Roger Bannister (eds), *Autonomic Failure* (Oxford University Press, 2013), i, doi:10.1093/med/9780198566342.001.0001

'OMIM - Online Mendelian Inheritance in Man', n.d. <<https://www.omim.org/>>

Picard, Nathalie, and Peter L. Strick, 'Imaging the Premotor Areas', *Current Opinion in Neurobiology*, 11.6 (2001), pp. 663–72, doi:10.1016/S0959-4388(01)00266-5

Pritchard, Dorian J., and Bruce R. Korf, *Medical Genetics at a Glance*, 3rd edition (Wiley, 2013) <<https://bibliu.com/users/saml/samlUCL?RelayState=eyJjdXN0b21fbGF1bmNoX3VybCI6ImVdmlldy9ib29rcy85NzgxMTE4Njg5MDEuL2VwdWlvT0VCUFMvY29udGVudHMuaHRtbCJ9>>

Robinson, T. R. and Wiley InterScience (Online service), Genetics for Dummies, 2nd ed (Wiley Pub, 2010) <<http://dx.doi.org/10.1002/9781118269275>>

Roosen, Dorien A., and Mark R. Cookson, 'LRRK2 at the Interface of Autophagosomes, Endosomes and Lysosomes', Molecular Neurodegeneration, 11.1 (2016), doi:10.1186/s13024-016-0140-1

Sarlegna, Fabrice R., and Pratik K. Mutha, 'The Influence of Visual Target Information on the Online Control of Movements', Vision Research, 110 (2015), pp. 144–54, doi:10.1016/j.visres.2014.07.001

Stefanis, L., ' -Synuclein in Parkinson's Disease', Cold Spring Harbor Perspectives in Medicine, 2.2 (2012), pp. a009399–a009399, doi:10.1101/cshperspect.a009399

Surmeier, D. James, José A. Obeso, and Glenda M. Halliday, 'Selective Neuronal Vulnerability in Parkinson Disease', Nature Reviews Neuroscience, 18.2 (2017), pp. 101–13, doi:10.1038/nrn.2016.178

Walsh, Dominic M., and Dennis J. Selkoe, 'A Critical Appraisal of the Pathogenic Protein Spread Hypothesis of Neurodegeneration', Nature Reviews Neuroscience, 17.4 (2016), pp. 251–60, doi:10.1038/nrn.2016.13

Wolpert, Daniel M., and Zoubin Ghahramani, 'Computational Principles of Movement Neuroscience', Nature Neuroscience, 3.Supp (2000), pp. 1212–17, doi:10.1038/81497

Wood, N. W., Neurogenetics: A Guide for Clinicians (Cambridge University Press, 2012) <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=2910094060004761&institutionId=4761&customerId=4760>

Xilouri, Maria, Oeystein Roed Brekk, and Leonidas Stefanis, 'Autophagy and Alpha-Synuclein: Relevance to Parkinson's Disease and Related Synucleopathies', Movement Disorders, 31.2 (2016), pp. 178–92, doi:10.1002/mds.26477

Zrinzo, Ludvic, 'The Role of Imaging in the Surgical Treatment of Movement Disorders', Neuroimaging Clinics of North America, 20.1 (2010), pp. 125–40, doi:10.1016/j.nic.2009.08.002