# Movement Neuroscience

View Online

Abernethy, Bruce. 'Theme 2: Concept 2'. In Biophysical Foundations of Human Movement, 3rd ed., 219–39. Champaign, IL: Human Kinetics, 2013.

Bradnam, L. V., C. M. Stinear, P. A. Barber, and W. D. Byblow. 'Contralesional Hemisphere Control of the Proximal Paretic Upper Limb Following Stroke'. Cerebral Cortex 22, no. 11 (1 November 2012): 2662–71. https://doi.org/10.1093/cercor/bhr344.

Byblow, W. D., Lewis, G. N., Stinear, J. W., Austin, N. J., and Lynch, M. 'The Subdominant Hand Increases in the Efficacy of Voluntary Alterations in Bimanual Coordination'. Experimental Brain Research 131 (2000). https://link.springer.com/article/10.1007/s002219900271.

Byblow, Winston D., Richard G. Carson, and David Goodman. 'Expressions of Asymmetries and Anchoring in Bimanual Coordination'. Human Movement Science 13, no. 1 (February 1994): 3–28. https://doi.org/10.1016/0167-9457(94)90027-2.

Carson, Richard, Stephan Riek, and Winston Byblow. 'Bilateral Interactions between the Upper Limbs'. Physiology News 58 (2005): 37–38. https://www.physoc.org/magazine-articles/bilateral-interactions-between-the-upper-limbs/.

Cathy M. Stinear. 'Priming the Motor System Enhances the Effects of Upper Limb Therapy in Chronic Stroke'. Brain 131, no. 5 (2008): 1381–90. https://brain-oxfordjournals.org/content/131/5/1381.

———. 'The PREP Algorithm Predicts Potential for Upper Limb Recovery after Stroke'. Brain 135, no. 8 (2012): 2527–35. https://brain-oxfordjournals.org/content/135/8/2527.

'Chapter 8: Reflex Evaluation', n.d. https://www.dartmouth.edu/~dons/part_1/chapter_8.html.

Coxon, J. P., C. M. Stinear, and W. D. Byblow. 'Selective Inhibition of Movement'. Journal of Neurophysiology 97, no. 3 (3 January 2007): 2480–89. https://doi.org/10.1152/jn.01284.2006.

Dancause, N., S. Barbay, S. B. Frost, E. V. Zoubina, E. J. Plautz, J. D. Mahnken, and R. J. Nudo. 'Effects of Small Ischemic Lesions in the Primary Motor Cortex on Neurophysiological Organization in Ventral Premotor Cortex'. Journal of Neurophysiology 96, no. 6 (9 August 2006): 3506–11. https://doi.org/10.1152/jn.00792.2006.

Frost, S. B. 'Reorganization of Remote Cortical Regions After Ischemic Brain Injury: A

Potential Substrate for Stroke Recovery'. Journal of Neurophysiology 89, no. 6 (26 February 2003): 3205–14. https://doi.org/10.1152/jn.01143.2002.

Graziano, M. S. A. 'Mapping From Motor Cortex to Biceps and Triceps Altered By Elbow Angle'. Journal of Neurophysiology 92, no. 1 (10 March 2004): 395–407. https://doi.org/10.1152/jn.01241.2003.

Gwyn N. Lewis. 'Stride Length Regulation in Parkinson's Disease: The Use of Extrinsic, Visual Cues'. Brain 123, no. 10 (2000): 2077–90. https://academic.oup.com/brain/article/123/10/2077/352238.

Kandel, Eric R., James H. Schwartz, and Thomas M. Jessell. Principles of Neural Science. 3rd ed. New York: Elsevier, 1991.

Kelso, J. A. Scott. 'Chapter 2: Self-Organisation of Behaviour: The Basic Picture'. In Dynamic Patterns: The Self-Organization of Brain and Behavior, 29–67. Cambridge, Mass: MIT Press, 1995. https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=49465&site=ehost-live&scope=site&ebv=EB&ppid=pp_29.

Latash, Mark L. Neurophysiological Basis of Movement. Champaign, IL: Human Kinetics, 1998.

———. Neurophysiological Basis of Movement. Champaign, IL: Human Kinetics, 1998.

———. Neurophysiological Basis of Movement. Champaign, IL: Human Kinetics, 1998.

Lee, R.G., and W.G. Tatton. 'Motor Responses to Sudden Limb Displacements in Primates with Specific CNS Lesions and in Human Patients with Motor System Disorders', 1975. http://journals.cambridge.org.ezproxy.auckland.ac.nz/action/displayAbstract?fromPage=online&aid=9448243&fulltextType=RA&fileId=S0317167100020382.

Magill, Richard A. 'Vision and Catching'. In Motor Learning: Concepts and Applications, Fourth edition., 119–22. Madison, Wis: Brown & Benchmark, 1993.

Manoonpong, Poramate, Tao Geng, Tomas Kulvicius, Bernd Porr, and Florentin Wörgötter. 'Adaptive, Fast Walking in a Biped Robot under Neuronal Control and Learning'. PLoS Computational Biology 3, no. 7 (2007). https://doi.org/10.1371/journal.pcbi.0030134.

Matthews, P B, S F Farmer, and D A Ingram. 'On the Localization of the Stretch Reflex of Intrinsic Hand Muscles in a Patient with Mirror Movements.' The Journal of Physiology 428, no. 1 (1 September 1990): 561–77. https://doi.org/10.1113/jphysiol.1990.sp018228.

Mills, Kerry. 'Impairment of Skilled Manipulation in Patients with Lesions of the Motor System'. In Neural Control of Skilled Human Movement, 75–83. London: Portland Press, 1995.

Morris, M.E., R. Iansek, J.J. Summers, and T.A. Matyas. 'Chapter 4 Motor Control Considerations for the Rehabilitation of Gait in Parkinson's Disease'. Electronic resource. In Motor Control and Sensory Motor Integration: Issues and Directions, Advances in psychology:61–93. Amsterdam: Elsevier, 1995. https://doi.org/10.1016/S0166-4115(06)80007-5.

Noth, J., M. Schwarz, K. Podoll, and F. Motamedi. 'Evidence That Low-Threshold Muscle Afferents Evoke Long-Latency Stretch Reflexes in Human Hand Muscles', 1991. http://jn.physiology.org.ezproxy.auckland.ac.nz/content/65/5/1089.

P. Schwellnus, M., E. W. Derman, and T. D. Noakes. 'Aetiology of Skeletal Muscle "Cramps" during Exercise: A Novel Hypothesis'. Journal of Sports Sciences 15, no. 3 (January 1997): 277–85. https://doi.org/10.1080/026404197367281.

R. J. Nudo. 'Reorganization of Movement Representations in Primary Motor Cortex Following Focal Ischemic Infarcts in Adult Squirrel Monkeys'. Journal of Neurophysiology 75, no. 5 (1 May 1996): 2144–49. http://jn.physiology.org/content/jn/75/5/2144.full.pdf.

'Reading 1 - Note', n.d.

Rothwell, John C. Control of Human Voluntary Movement. 2nd ed. London: Chapman & Hall, 1994. https://link.springer.com:9443/book/10.1007/978-94-011-6960-8.

———. Control of Human Voluntary Movement. 2nd ed. London: Chapman & Hall, 1994. https://link.springer.com/book/10.1007/978-1-4684-7688-0.

———. Control of Human Voluntary Movement. 2nd ed. London: Chapman & Hall, 1994. https://link.springer.com:9443/book/10.1007/978-94-011-6960-8.

———. Control of Human Voluntary Movement. 2nd ed. London: Chapman & Hall, 1994. https://link.springer.com/book/10.1007/978-1-4684-7688-0.

———. Control of Human Voluntary Movement. 2nd ed. London: Chapman & Hall, 1994. https://link.springer.com:9443/book/10.1007/978-94-011-6960-8.

———. Control of Human Voluntary Movement. 2nd ed. London: Chapman & Hall, 1994. https://link.springer.com:9443/book/10.1007/978-94-011-6960-8.

Schabrun, S. M., C. M. Stinear, W. D. Byblow, and M. C. Ridding. 'Normalizing Motor Cortex Representations in Focal Hand Dystonia'. Cerebral Cortex 19, no. 9 (1 September 2009): 1968–77. https://doi.org/10.1093/cercor/bhn224.

Schmidt, Richard A. Motor Control and Learning: A Behavioral Emphasis. Champaign, Ill: Human Kinetics Publishers, 1982.

Schmidt, Richard A., and Timothy Donald Lee. Motor Control and Learning: A Behavioral Emphasis. 5th ed. Champaign, IL: Human Kinetics, 2011.

Schmidt, Richard A., and Craig A. Wrisberg. Motor Learning and Performance. 2nd ed. Champaign, IL: Human Kinetics, 2000.

Schmidt, Richard, and Timothy Lee. 'Motor Programs: Motor Control of Brief Actions'. In Motor Learning and Performance: From Principles to Application, Fifth edition., 107–21. Champaign, IL: Human Kinetics, 2014.

Stinear, C. M. 'Impaired Modulation of Intracortical Inhibition in Focal Hand Dystonia'. Cerebral Cortex 14, no. 5 (28 March 2004): 555–61. https://doi.org/10.1093/cercor/bhh017.

‘The Descending Tracts - TeachMeAnatomy’, n.d. http://teachmeanatomy.info/neuro/pathways/descending-tracts-motor/.