

Movement Neuroscience

[View Online](#)

@inbook{Abernethy_2013, address={Champaign, IL}, edition={3rd ed}, title={Theme 2: Concept 2}, booktitle={Biophysical foundations of human movement}, publisher={Human Kinetics}, author={Abernethy, Bruce}, year={2013}, pages={219-239} }

@article{Bradnam_Stinear_B Barber_Byblow_2012, title={Contralesional Hemisphere Control of the Proximal Paretic Upper Limb following Stroke}, volume={22}, DOI={10.1093/cercor/bhr344}, number={11}, journal={Cerebral Cortex}, author={Bradnam, L. V. and Stinear, C. M. and Barber, P. A. and Byblow, W. D.}, year={2012}, month={Nov}, pages={2662-2671} }

@article{Byblow_W._Lewis_G._N._Stinear_J._W._Austin_N._J._Lynch_M._2000, title={The subdominant hand increases in the efficacy of voluntary alterations in bimanual coordination}, volume={131}, url={https://link.springer.com/article/10.1007/s002219900271}, journal={Experimental Brain Research}, author={Byblow, W. D. and Lewis, G. N. and Stinear, J. W. and Austin, N. J. and Lynch, M.}, year={2000} }

@article{Byblow_Carson_Goodman_1994, title={Expressions of asymmetries and anchoring in bimanual coordination}, volume={13}, url={https://www.sciencedirect.com/science/article/pii/0167945794900272?via%3Dihub}, DOI={10.1016/0167-9457(94)90027-2}, number={1}, journal={Human Movement Science}, author={Byblow, Winston D. and Carson, Richard G. and Goodman, David}, year={1994}, month={Feb}, pages={3-28} }

@article{Carson_Riek_Byblow_2005, title={Bilateral interactions between the upper limbs}, volume={58}, url={https://www.physoc.org/magazine-articles/bilateral-interactions-between-the-upper-limbs/}, journal={Physiology News}, author={Carson, Richard and Riek, Stephan and Byblow, Winston}, year={2005}, pages={37-38} }

@article{Cathy_M._Stinear_2008, title={Priming the motor system enhances the effects of upper limb therapy in chronic stroke}, volume={131}, url={https://brain-oxfordjournals.org/content/131/5/1381}, number={5}, journal={Brain}, publisher={Oxford University Press}, author={Cathy M. Stinear}, year={2008}, pages={1381-1390} }

@article{Cathy_M._Stinear_2012, title={The PREP algorithm predicts potential for upper limb recovery after stroke}, volume={135}, url={https://brain-oxfordjournals.org/content/135/8/2527}, number={8}, journal={Brain}, publisher={Oxford University Press}, author={Cathy M. Stinear}, year={2012}, pages={2527-2537} }

pages={2527-2535} }

@article{Coxon_Stinear_Byblow_2007, title={Selective Inhibition of Movement}, volume={97}, url={https://journals.physiology.org/doi/full/10.1152/jn.01284.2006}, DOI={10.1152/jn.01284.2006}, number={3}, journal={Journal of Neurophysiology}, author={Coxon, J. P. and Stinear, C. M. and Byblow, W. D.}, year={2007}, month={Jan}, pages={2480-2489} }

@article{Dancause_Barbay_Frost_Zoubina_Plautz_Mahnken_Nudo_2006, title={Effects of Small Ischemic Lesions in the Primary Motor Cortex on Neurophysiological Organization in Ventral Premotor Cortex}, volume={96}, url={https://journals.physiology.org/doi/full/10.1152/jn.00792.2006}, DOI={10.1152/jn.00792.2006}, number={6}, journal={Journal of Neurophysiology}, author={Dancause, N. and Barbay, S. and Frost, S. B. and Zoubina, E. V. and Plautz, E. J. and Mahnken, J. D. and Nudo, R. J.}, year={2006}, month={Aug}, pages={3506-3511} }

@article{Frost_2003, title={Reorganization of Remote Cortical Regions After Ischemic Brain Injury: A Potential Substrate for Stroke Recovery}, volume={89}, DOI={10.1152/jn.01143.2002}, number={6}, journal={Journal of Neurophysiology}, author={Frost, S. B.}, year={2003}, month={Feb}, pages={3205-3214} }

@article{Graziano_2004, title={Mapping From Motor Cortex to Biceps and Triceps Altered By Elbow Angle}, volume={92}, DOI={10.1152/jn.01241.2003}, number={1}, journal={Journal of Neurophysiology}, author={Graziano, M. S. A.}, year={2004}, month={Mar}, pages={395-407} }

@article{Gwyn_N._Lewis_2000, title={Stride length regulation in Parkinson's disease: the use of extrinsic, visual cues}, volume={123}, url={https://academic.oup.com/brain/article/123/10/2077/352238}, number={10}, journal={Brain}, publisher={Oxford University Press}, author={Gwyn N. Lewis}, year={2000}, pages={2077-2090} }

@book{Kandel_Schwartz_Jessell_1991, address={New York}, edition={3rd ed}, title={Principles of neural science}, publisher={Elsevier}, author={Kandel, Eric R. and Schwartz, James H. and Jessell, Thomas M.}, year={1991}, pages={537-543} }

@inbook{Kelso_1995, address={Cambridge, Mass}, title={Chapter 2: Self-Organisation of Behaviour: The Basic Picture}, url={https://search.ebscohost.com/login.aspx?direct=true&db=nlebk&AN=49465&site=ehost-live&scope=site&ebv=EB&ppid=pp_29}, booktitle={Dynamic patterns: the self-organization of brain and behavior}, publisher={MIT Press}, author={Kelso, J. A. Scott}, year={1995}, pages={29-67} }

@book{Latash_1998a, address={Champaign, IL}, title={Neurophysiological basis of movement}, publisher={Human Kinetics}, author={Latash, Mark L.}, year={1998}, pages={43-51} }

@book{Latash_1998b, address={Champaign, IL}, title={Neurophysiological basis of movement}, publisher={Human Kinetics}, author={Latash, Mark L.}, year={1998}, pages={55-61} }

@book{Latash_1998c, address={Champaign, IL}, title={Neurophysiological basis of movement}, publisher={Human Kinetics}, author={Latash, Mark L.}, year={1998}, pages={172-178} }

@article{Lee_Tatton_1975, title={Motor responses to sudden limb displacements in primates with specific CNS lesions and in human patients with motor system disorders}, url={http://journals.cambridge.org.ezproxy.auckland.ac.nz/action/displayAbstract?fromPage=online&aid=9448243&fulltextType=RA&fileId=S0317167100020382}, author={Lee, R.G. and Tatton, W.G.}, year={1975} }

@inbook{Magill_1993, address={Madison, Wis}, edition={Fourth edition}, title={Vision and catching}, booktitle={Motor learning: concepts and applications}, publisher={Brown & Benchmark}, author={Magill, Richard A.}, year={1993}, pages={119-122} }

@article{Manoonpong_Geng_Kulvicius_Porr_Wörgötter_2007, title={Adaptive, Fast Walking in a Biped Robot under Neuronal Control and Learning}, volume={3}, DOI={10.1371/journal.pcbi.0030134}, number={7}, journal={PLoS Computational Biology}, author={Manoonpong, Poramate and Geng, Tao and Kulvicius, Tomas and Porr, Bernd and Wörgötter, Florentin}, year={2007} }

@article{Matthews_Farmer_Ingram_1990, title={On the localization of the stretch reflex of intrinsic hand muscles in a patient with mirror movements.}, volume={428}, DOI={10.1113/jphysiol.1990.sp018228}, number={1}, journal={The Journal of Physiology}, author={Matthews, P B and Farmer, S F and Ingram, D A}, year={1990}, month={Sep}, pages={561-577} }

@inbook{Mills_1995, address={London}, title={Impairment of skilled manipulation in patients with lesions of the motor system}, booktitle={Neural Control of Skilled Human Movement}, publisher={Portland Press}, author={Mills, Kerry}, year={1995}, pages={75-83} }

@inbook{Morris_Iansek_Summers_Matyas_1995, address={Amsterdam}, title={Chapter 4 Motor control considerations for the rehabilitation of gait in Parkinson's disease}, volume={Advances in psychology}, url={https://www.sciencedirect.com/science/article/pii/S0166411506800075}, DOI={10.1016/S0166-4115(06)80007-5}, booktitle={Motor control and sensory motor integration: issues and directions}, publisher={Elsevier}, author={Morris, M.E. and Iansek, R. and Summers, J.J. and Matyas, T.A.}, year={1995}, pages={61-93} }

@article{Noth_Schwarz_Podoll_Motamedi_1991, title={Evidence that low-threshold muscle afferents evoke long-latency stretch reflexes in human hand muscles}, url={http://jn.physiology.org.ezproxy.auckland.ac.nz/content/65/5/1089}, author={Noth, J. and Schwarz, M. and Podoll, K. and Motamedi, F.}, year={1991} }

@article{P. Schwellnus_Derman_Noakes_1997, title={Aetiology of skeletal muscle 'cramps' during exercise: A novel hypothesis}, volume={15}, url={https://doi.org/10.1080/026404197367281}, DOI={10.1080/026404197367281}, number={3}, journal={Journal of Sports Sciences}, author={P. Schwellnus, M. and Derman, E. W. and Noakes, T. D.}, year={1997}, month={Jan}, pages={277-285} }

@article{R. J. Nudo_1996, title={Reorganization of movement representations in primary motor cortex following focal ischemic infarcts in adult squirrel monkeys}, volume={75},

url={<http://jn.physiology.org/content/jn/75/5/2144.full.pdf>}, number={5}, journal={Journal of Neurophysiology}, publisher={American Physiological Society}, author={R. J. Nudo}, year={1996}, month={May}, pages={2144-2149} }

@book{Rothwell_1994a, address={London}, edition={2nd ed}, title={Control of human voluntary movement}, url={<https://link.springer.com/9443/book/10.1007/978-94-011-6960-8>}, publisher={Chapman & Hall}, author={Rothwell, John C.}, year={1994}, pages={329-339} }

@book{Rothwell_1994b, address={London}, edition={2nd ed}, title={Control of human voluntary movement}, url={<https://link.springer.com/9443/book/10.1007/978-1-4684-7688-0>}, publisher={Chapman & Hall}, author={Rothwell, John C.}, year={1994}, pages={120-123} }

@book{Rothwell_1994c, address={London}, edition={2nd ed}, title={Control of human voluntary movement}, url={<https://link.springer.com/9443/book/10.1007/978-94-011-6960-8>}, publisher={Chapman & Hall}, author={Rothwell, John C.}, year={1994}, pages={187-194} }

@book{Rothwell_1994d, address={London}, edition={2nd ed}, title={Control of human voluntary movement}, url={<https://link.springer.com/9443/book/10.1007/978-1-4684-7688-0>}, publisher={Chapman & Hall}, author={Rothwell, John C.}, year={1994}, pages={263-280} }

@book{Rothwell_1994e, address={London}, edition={2nd ed}, title={Control of human voluntary movement}, url={<https://link.springer.com/9443/book/10.1007/978-94-011-6960-8>}, publisher={Chapman & Hall}, author={Rothwell, John C.}, year={1994}, pages={286-292} }

@book{Rothwell_1994f, address={London}, edition={2nd ed}, title={Control of human voluntary movement}, url={<https://link.springer.com/9443/book/10.1007/978-94-011-6960-8>}, publisher={Chapman & Hall}, author={Rothwell, John C.}, year={1994}, pages={24-29} }

@article{Schabrun_Stinear_Byblow_Ridding_2009, title={Normalizing Motor Cortex Representations in Focal Hand Dystonia}, volume={19}, DOI={10.1093/cercor/bhn224}, number={9}, journal={Cerebral Cortex}, author={Schabrun, S. M. and Stinear, C. M. and Byblow, W. D. and Ridding, M. C.}, year={2009}, month={Sep}, pages={1968-1977} }
@book{Schmidt_1982, address={Champaign, III}, title={Motor control and learning: a behavioral emphasis}, publisher={Human Kinetics Publishers}, author={Schmidt, Richard A.}, year={1982}, pages={335-343} }

@book{Schmidt_Lee_2011, address={Champaign, IL}, edition={5th ed}, title={Motor control and learning: a behavioral emphasis}, publisher={Human Kinetics}, author={Schmidt, Richard A. and Lee, Timothy Donald}, year={2011}, pages={154-156} }

@book{Schmidt_Wrisberg_2000, address={Champaign, IL}, edition={2nd ed},

title={Motor learning and performance}, publisher={Human Kinetics}, author={Schmidt, Richard A. and Wrisberg, Craig A.}, year={2000}, pages={186-188} }

@inbook{Schmidt_Lee_2014, address={Champaign, IL}, edition={Fifth edition}, title={Motor Programs: Motor control of brief actions}, booktitle={Motor learning and performance: from principles to application}, publisher={Human Kinetics}, author={Schmidt, Richard and Lee, Timothy}, year={2014}, pages={107-121} }

@article{Stinear_2004, title={Impaired Modulation of Intracortical Inhibition in Focal Hand Dystonia}, volume={14}, DOI={10.1093/cercor/bhh017}, number={5}, journal={Cerebral Cortex}, author={Stinear, C. M.}, year={2004}, month={Mar}, pages={555-561} }

@misc{Reading 1 - Note }

@misc{The Descending Tracts - TeachMeAnatomy, url={<http://teachmeanatomy.info/neuro/pathways/descending-tracts-motor/>} }

@misc{Chapter 8: Reflex evaluation, url={https://www.dartmouth.edu/~dons/part_1/chapter_8.html} }