

CLNE0004: Motor Systems and Disease (Academic Year 2018/19)

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51 items

Pre-reading list for MSc Clinical Neuroscience/Neurology (13 items)

Pre-reading list for MSc Clinical Neuroscience/Neurology 15 items

The books on this list have been chosen as an introduction to various subjects on the course but please note that reading them is optional.

Neurogenetics (4 items)

Lewin's genes X - Jocelyn E. Krebs, Elliott S. Goldstein, Stephen T. Kilpatrick, Benjamin Lewin, c2011

Book

Neurogenetics: a guide for clinicians - N. W. Wood, 2012

Book

Medical genetics at a glance - D. J. Pritchard, Bruce R. Korf, 2013

Book

Genetics for dummies - T. R. Robinson, Wiley InterScience (Online service), c2010

Book

Basic Neuroscience (9 items)

Neuroscience for dummies - Frank Amthor, c2012

Book

Clinical neuroscience: an illustrated colour text - Paul Johns, c2014

Book

Molecular & cell biology for dummies - René Fester Kratz, c2009

Book

Essential cell biology - Bruce Alberts, Dennis Bray, Karen Hopkin, Alexander Johnson, Julian Lewis, Martin C. Raff, K. Roberts, Peter Walter, 2014

Book

Neuroscience at a glance - Roger A. Barker, Stephen Barasi, M. J. Neal, 2003

Book

The neuron: cell and molecular biology - Irwin B. Levitan, Leonard K. Kaczmarek, 2015

Book

Principles of neural science - 2013[Book](#)

The human brain coloring book - Marian Cleeves Diamond, Arnold B. Scheibel, Lawrence M. Elson, c1985

[Book](#)

Neurology: a Queen Square textbook - 2016[Book](#)

Cortical control of the hand - Davare (9 items)

The neuroscience of grasping - Umberto Castiello, 2005-9

[Article](#) | [Essential](#)

Interactions between areas of the cortical grasping network - Marco Davare, Alexander Kraskov, John C Rothwell, Roger N Lemon, 2011-08

[Article](#) | [Essential](#)

The extended object-grasping network - Marzio Gerbella, Stefano Rozzi, Giacomo Rizzolatti, 2017-10

[Article](#) | [Essential](#)

Separate neural pathways for the visual analysis of object shape in perception and prehension - Melvyn A. Goodale, John Paul Meenan, Heinrich H. Bülthoff, David A. Nicolle, Kelly J. Murphy,Carolynn I. Racicot, 1994-7

[Article](#) | [Recommended](#)

The cognitive neuroscience of prehension: recent developments - Scott T. Grafton, 2010-8

[Article](#) | [Essential](#)

Grasping objects: the cortical mechanisms of visuomotor transformation - M. Jeannerod, M.A. Arbib, G. Rizzolatti, H. Sakata, 1995-7

[Article](#) | [Recommended](#)

Coding and use of tactile signals from the fingertips in object manipulation tasks - Roland S. Johansson, J. Randall Flanagan, 2009-5

[Article](#) | [Essential](#)

Descending Pathways in Motor Control - Roger N. Lemon, 2008-07

[Article](#) | [Recommended](#)

Imaging the premotor areas - Nathalie Picard, Peter L Strick, 2001-12

[Article](#)

Pathogenesis of Parkinson's Disease - Proukakis (9 items)

Neuropathology of sporadic Parkinson's disease: Evaluation and changes of concepts - Kurt A. Jellinger, 2012-01

Article

Pathways to Parkinsonism Redux: convergent pathobiological mechanisms in genetics of Parkinson's disease - Ravindran Kumaran, Mark R. Cookson, 2015-10-15

Article

Selective neuronal vulnerability in Parkinson disease - D. James Surmeier, José A. Obeso, Glenda M. Halliday, 2017-2

Article

A critical appraisal of the pathogenic protein spread hypothesis of neurodegeneration - Dominic M. Walsh, Dennis J. Selkoe, 2016-4

Article

-Synuclein in Parkinson's Disease - L. Stefanis, 2012-02-01

Article

The Synaptic Function of α -Synuclein - Jacqueline Burré, 2015-10-08

Article

Autophagy and Alpha-Synuclein: Relevance to Parkinson's Disease and Related Synucleopathies - Maria Xilouri, Oeystein Roed Brekk, Leonidas Stefanis, 2016-02

Article

Alpha-synuclein propagation: New insights from animal models - Benjamin Dehay, Miquel Vila, Erwan Bezard, Patrik Brundin, Jeffrey H. Kordower, 2016-02

Article

LRRK2 at the interface of autophagosomes, endosomes and lysosomes - Dorien A. Roosen, Mark R. Cookson, 2016-12

Article

Motor control theories - Kilner (3 items)

Computational principles of movement neuroscience - Daniel M. Wolpert, Zoubin Ghahramani, 2000-11-1

Article

Action understanding and active inference - Karl Friston, Jérémie Mattout, James Kilner, 2011-2

Article | Don't worry about the equations!

Bayesian decision theory in sensorimotor control - Konrad P. Körding, Daniel M. Wolpert, 2006-7

Article

Sensory control of action - Kilner (3 items)

Sensory control of object manipulation - Roland S. Johansson, J. Randall Flanagan[Chapter](#)

The influence of visual target information on the online control of movements - Fabrice R. Sarlegna, Pratik K. Mutha, 2015-05

[Article](#)

Factors affecting higher-order movement planning: a kinematic analysis of human prehension - L.S. Jakobson, M.A. Goodale, 1991-8

[Article](#)

Clinical features of Motor Neuron Diseases - Patani (2 items)

Quo vadis motor neuron disease? - Rubika Balendra, Rickie Patani, 2016

[Article](#)

Advances in motor neurone disease - Dirk Bäumer, Kevin Talbot, Martin R Turner, 2014-01

[Article](#)

Spasticity and spastic paraplegia - Warner (3 items)

Descending Pathways in Motor Control - Roger N. Lemon, 2008-07

[Article](#)

Spastic movement disorder: impaired reflex function and altered muscle mechanics - Volker Dietz, Thomas Sinkjaer, 2007-08

[Article](#)

Hereditary spastic paraplegia - Craig Blackstone

[Chapter](#)

Autonomic function - Iodice (3 items)

Autonomic Failure - 2013-07

[Book](#)

| Chapters on 'Management of postural hypotension' and 'Clinical features and evaluation of the primary chronic autonomic failure syndromes'

Cardiovascular autonomic dysfunction in MSA and Parkinson's disease: Similarities and differences - Valeria Iodice, David A. Low, Ekawat Vichayanrat, Christopher J. Mathias, 2011-11

[Article](#)

Autonomic Neuropathies - Valeria Iodice, Paola Sandroni, 2014-10

[Article](#)

Cerebellar disorders - Wood (2 items)

Neurology: a Queen Square textbook - Institute of Neurology, Queen Square, National

Hospital for Neurology and Neurosurgery (London, England), 2016

Book

OMIM - Online Mendelian Inheritance in Man

Website

Surgery for movement disorders - Zrinzo (4 items)

The Role of Imaging in the Surgical Treatment of Movement Disorders - Ludvic Zrinzo, 2010-2

Article

A New Conceptual Understanding of Brain Function: Basic Mechanisms of Brain-Initiated Normal and Pathological Behaviors - Konstantin V. Baev, 2007

Article

The functions of the basal ganglia and the paradox of stereotaxic surgery in Parkinson's disease - C. D. Marsden, J. A. Obeso, 1994

Article

Connectivity derived thalamic segmentation in deep brain stimulation for tremor - Harith Akram, Viswas Dayal, Philipp Mahlke, Dejan Georgiev, Jonathan Hyam, Thomas Foltynie, Patricia Limousin, Enrico De Vita, Marjan Jahanshahi, John Ashburner, Tim Behrens, Marwan Hariz, Ludvic Zrinzo, 2018

Article