

BMD369 Perspectives on Brain Disorders (2018-2019 Academic Year)

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Academic year 2017-2018

22 items

Lecture 1 - Mood disorders and Schizophrenia (1 items)

Schizophrenia: New Pathological Insights and Therapies - L. Fredrik Jarskog, Seiya Miyamoto, Jeffrey A. Lieberman, 2007-02

[Article](#) | [Essential](#) | Lecture 1 reading

Lecture 2 - Mood disorders and Schizophrenia (1 items)

Signaling pathways underlying the pathophysiology and treatment of depression: novel mechanisms for rapid-acting agents - ScienceDirect

[Article](#) | [Essential](#) | Mood disorders and Schizophrenia Lecture 2

Lecture 3 - Parkinson's disease -neurobiology and treatment (2 items)

Advances in the pharmacological treatment of Parkinson's disease: targeting neurotransmitter systems - ScienceDirect

[Article](#) | [Essential](#) | Parkinson's disease -neurobiology and treatment - Lecture 3

Pink1, Parkin, DJ-1 and mitochondrial dysfunction in Parkinson's disease - ScienceDirect

[Article](#) | [Essential](#) | Parkinson's disease -neurobiology and treatment - Lecture 3

Lecture 4 - Parkinson's disease: a cognitive perspective (2 items)

Parkinson's disease - C E Clarke, 2007-09-01

[Article](#) | [Essential](#) | Parkinson's Disease: a cognitive perspective - Lecture 4

Striatal synapses, circuits, and Parkinson's disease - Shenyu Zhai, Asami Tanimura, Steven M Graves, Weixing Shen, D James Surmeier, 2018-02

[Article](#) | [Essential](#) | Parkinson's Disease: a cognitive perspective - Lecture 4

Motor Neuron Disease - Lecture 5 (1 items)

Amyotrophic Lateral Sclerosis — NEJM

[Webpage](#) | Essential | Motor Neuron Disease - Lecture 5

NMDA receptors as key targets in drug discovery/ The neurobiology of endocannabinoids - Lecture 7-8 (1 items)

Endocannabinoid Signaling and Long-Term Synaptic Plasticity -
annurev.physiol.010908.163149

[Webpage](#) | Essential | NMDA receptors as key targets in drug discovery/ The neurobiology of endocannabinoids - Lecture 7-8

The neurobiology of endocannabinoids - Lecture 8 (2 items)

Endocannabinoid Signaling and Long-Term Synaptic Plasticity -
annurev.physiol.010908.163149

[Webpage](#) | NMDA receptors as key targets in drug discovery/ The neurobiology of endocannabinoids - Lecture 7-8

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ICM6011 Brain and Mind, Disorders of Supraspinal Systems

Multiple Functions of Endocannabinoid Signaling in the Brain | Annual Review of Neuroscience

[Webpage](#) | Essential | The neurobiology of endocannabinoids - Lecture 8

Immature brain injury (the disease and current and future treatments) - Lecture 11 (1 items)

Animal models for the study of perinatal hypoxic-ischemic encephalopathy: a critical analysis - ScienceDirect

[Article](#) | Essential | Immature brain injury (the disease and current and future treatments) - Lecture 11

Traumatic brain injury - the clinical perspective - Lecture 12 (1 items)

Current Perspectives on Traumatic Brain Injury

[Webpage](#) | Essential | Traumatic brain injury - the clinical perspective - Lecture 12

Immature brain injury (the disease and current and future treatments) - Lecture 11 (1 items)

Animal models for the study of perinatal hypoxic-ischemic encephalopathy: a critical

analysis - ScienceDirect

[Article](#) | Immature brain injury (the disease and current and future treatments) -
Lecture 11
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Neurobiology of TBI and link to Alzheimer's disease - Lecture 14 (3 items)**Therapeutics of Alzheimer's disease: Past, present and future - ScienceDirect**

[Article](#) | **Essential** | Neurobiology of TBI and link to Alzheimer's disease -Lecture 14

A review on Alzheimer's disease pathophysiology and its management: an update - ScienceDirect

[Article](#) | **Essential** | Neurobiology of TBI and link to Alzheimer's disease - Lecture 14

Chronic Traumatic Encephalopathy in Athletes: Progressive Tauopathy After Repetitive Head Injury | Journal of Neuropathology & Experimental Neurology | Oxford Academic

[Webpage](#) | **Essential** | Neurobiology of TBI and link to Alzheimer's disease - Lecture 14

Epigenetics of neuroinflammation - Lecture 15 (1 items)**10.1038/icb.2014.114 : nature.com search**

[Webpage](#) | **Essential** | Epigenetics of neuroinflammation - Lecture 15

Imaging in Neuroscience - Lecture 16 (1 items)**Targeting neurons and photons for optogenetics - Adam M Packer, Botond Roska, Michael Häusser, 2013-6-25**

[Article](#) | **Essential** | Imaging in Neuroscience - Lecture 16

Epilepsy - a review - Lecture 17 (1 items)**The management of epilepsy in pregnancy - SP Walker, M Permezel, SF Berkovic, 2009-05**

[Article](#) | **Essential** | Epilepsy - a review - Lecture 17

Animal models of epilepsy - Lecture 18 (1 items)**Critical review of current animal models of seizures and epilepsy used in the discovery and development of new antiepileptic drugs - Wolfgang Löscher, 2011-06**

[Article](#) | **Essential** | Animal models of epilepsy - Lecture 18

Biomarkers in Neuroinjury - Lecture 19 (1 items)**Biomarkers for the Clinical Differential Diagnosis in Traumatic Brain Injury-A Systematic Review - Shoji Yokobori, Khadil Hosein, Stephen Burks, Ishna Sharma, Shyam Gajavelli,**

Ross Bullock, 2013-08

[Article](#) | **Essential** | Biomarkers in Neuroinjury - Lecture 19

Lipid mediators in inflammation - Lecture 20 (1 items)

Resolution Phase of Inflammation: Novel Endogenous Anti-Inflammatory and Proresolving Lipid Mediators and Pathways - Charles N. Serhan, 2007-04

[Article](#) | **Essential** | Lipid mediators in inflammation - Lecture 20