Cognitive Disorders in Parkinson’s Disease

Editor

Mark A. Gluck

The collated papers in this issue discuss recent research on the non-motor aspects of Parkinson’s disease including how the disease and the common dopaminergic therapies used to treat the disease’s motor symptoms impact on learning and decision making. Links between the cognitive and psychiatric symptoms of Parkinson’s disease including studies of both depression and medication-induced impulse control disorders such as compulsive gambling are discussed. Further multiple interdisciplinary approaches from cognitive neuroscience including functional brain imaging and genetics are reviewed.

This issue provides valuable information for neurologists, psychologists, psychiatrists, and neuroscientists interested in Parkinson’s disease, dopamine, and the cognitive neuroscience of human learning and memory.

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• Impulse Control and Related Disorders in Parkinson’s Disease: Weintraub, D.; Nirenberg, M.J.
• Delay Discounting of Reward and Caudate Nucleus Volume in Individuals with α-Synuclein Gene Duplication before and after the Development of Parkinson’s Disease: Szamosi, A.; Nagy, H.; Kéri, S.
• Cognitive Impairment in Parkinson’s Disease: The Dual Syndrome Hypothesis: Kehagia, A.A.; Barker, R.A.; Robbins, T.W.
• A Trade-Off between Feedback-Based Learning and Episodic Memory for Feedback Events: Evidence from Parkinson’s Disease: Foerde, K.; Braun, E.K.; Shohamy, D.
• Dissociating the Cognitive Effects of Levodopa versus Dopamine Agonists in a Neurocomputational Model of Learning in Parkinson’s Disease: Moustafa, A.A.; Herzallah, M.M.; Gluck, M.A.

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