

Zhang J, Wang ZI, Baker KB, **Vitek JL**. Effect of globus pallidus internus stimulation on neuronal activity in the pedunculo-pontine tegmental nucleus in the primate model of Parkinson's disease, *Exp Neurol (Short Communication)* 233:575-580, 2012. *Selected by journal editor as Highlighted Article*. PMID: PMC3536473

**Vitek JL**, Zhang J, Hashimoto T, Russo GS, Baker KB. External pallidal stimulation improves parkinsonian motor signs and modulates neuronal activity throughout the basal ganglia thalamic network. *Exp Neurol (Short Communication)* 233:581-586, 2012. *Selected by journal editor as Highlighted Article* PMID: PMC3536483

Okun MS, Gallo BV, Mandybur G, Jagid J, Foote KD, Revilla FJ, Alterman R, Jankovic J, Simpson R, Junn F, Verghagen L, Arle JE, Ford B, Goodman RR, Stewart RM, Horn S, Baltuch GH, Kopell BH, Marshall F, Peichel D, Pahwa R, Lyons KE, Tröster AI, **Vitek JL**, Tagliati M: SJM DBS Study Group. Subthalamic deep brain stimulation with a constant-current device in Parkinson's disease: an open-label randomized controlled trial. *Lancet Neurol* 11:140-149, 2012. PMID: 22239915

**Vitek JL**. Long-term benefit from deep brain stimulation of the subthalamic nucleus: Is it for everyone? *Alzheimers Res Ther* 4:13, 2012. PMID: PMC3506928

Johnson MD, Ghosh D, McIntyre CC, Zhang J, **Vitek JL**. Neural targets for relieving parkinsonian rigidity and bradykinesia with pallidal deep brain stimulation. *J Neurophysiol.* 108(2):567-577, 2012. PMID: PMC3404794

Hendrix CM, **Vitek JL**. Towards a network model of dystonia. *Ann N Y Acad Sci* 1265(1):46-55, 2012.

Hack N, Jicha GA, Abel A, Dean D, **Vitek JL**, Berger JR. Substantia nigra depigmentation, Parkinsonism, and birth cohort: remote effect of encephalitis lethargica? *Ann Neurol* 72(6):912-7, 2012. PMID: 2328084

Cooper SE, McIntyre CC, Fernandez HH, **Vitek JL**. Association of deep brain stimulation washout effects with Parkinson disease duration? *JAMA Neurol* 70(1):95-9, 2013.

Miocinovic S, Somayajula S, Chitnis S, **Vitek JL**. History, applications, and mechanisms of deep brain stimulation. *JAMA Neurol.* 70(2):163-71, 2013.

Johnson MD, Lim HH, Netoff TI, Connolly AT, Johnson N, Roy A, Holt A, Lim KO, Carey JR, **Vitek JL**, He B. Neuromodulation for brain disorders: challenges and opportunities. *IEEE Trans Biomed Eng.* 60(3):610-624, 2013.

Hsu SC, ... **Vitek J**, ...Coppola G et al. Mutations in SLC20A2 are a major cause of familial idiopathic basal ganglia calcification. *Neurogenetics.* 14(1):11-22, 2013. PMID: 23334463

Agnesi F, Johnson MD, **Vitek JL**. Deep brain stimulation: how does it work? *Handb Clin Neurol.* 116:39-54, 2013.

Kobayashi K, Liu CC, Jensen AL, **Vitek JL**, Mari X, Lenz FA. Thalamic post-inhibitory bursting occurs in patients with organic dystonia more often than controls. *Brain Res.* 1541:81-91, 2013. PMID:24125808.

Agnesi F, Connolly AT, Baker KB, **Vitek JL**, Johnson MD. Deep brain stimulation imposes complex informational lesions. *PLoS One.* Aug 26;8(8), e744622013 [Epub ahead of print]. PMID:PMC3753277.

Hendrix CM, Agnesi F, Connolly AT, Baker KB, Johnson MD, **Vitek JL**. Modulations in pallidal local field potentials in the systematic 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine nonhuman primate model of Parkinson's disease during a voluntary reaching task. *IEEE EMBS on Neural Engineering*, 2013 (*in press*).