

## Research Output List

### Original articles

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- Stefani A, Grandi LC, **Galati S\***. Deep brain stimulation of the pedunculo-pontine nucleus modulates subthalamic pathological oscillations. *Neurobiol Dis.* 2018 Nov 10. pii: S0969-9961(18)30743-5. doi: 10.1016/j.nbd.2018.11.006. **\*Corresponding Author**
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- Galati S\***, Song W, Orban G, Luft AR, Kaelin-Lang A. (2018). Cortical slow wave activity correlates with striatal synaptic strength in normal but not in Parkinsonian rats. *Exp Neurol.* 301(Pt A):50-58. doi:10.1016/j.expneurol.2017.12.004. **\*Corresponding Author**
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- Salvadè A, D'Angelo V, Di Giovanni G, Tinkhauser G, Sancesario G, Städler C, Möller JC, Stefan A, Kaelin-Lang A, **Galati S\***. (2016). Distinct roles of cortical and pallidal  $\beta$  and  $\gamma$  frequencies in

hemiparkinsonian and dyskinetic rats. *Exp Neurol.* 275 Pt 1:199-208. doi:10.1016/j.expneurol.2015.11.005. **\*Corresponding Author**

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- Lunardi G\*, **Galati S\***, Tropepi D, Moschella V, Brusa L, Pierantozzi M, Stefani A, Rossi S, Fornai F, Fedele E, Stanzione P, Hainsworth AH, Pisani A. (2009). Correlation between changes in CSF dopamine turnover and development of dyskinesia in Parkinson's disease. *Parkinsonism Relat Disord.* 15(5):383-9. doi:10.1016/j.parkreldis.2008.10.001 \* **Both Authors equally contributed**
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## Editorials

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**Galati S.**, Stefani A, (2015). Deep Brain Stimulation of the Subthalamic Nucleus: All That Glitters Isn't Gold?. *Movement disorders : official journal of the Movement Disorder Society.* 30(5) :632-7. doi:10.1002/mds.26149.

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**Galati S.**, Di Giovanni G. (2010) Neuroprotection in Parkinson's disease: a realistic goal? *CNS Neurosci Ther.*16(6):327-9. doi:10.1111/j.1755-5949.2010.00206.x

## Reviews

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Nowacki A, **Galati S.**, Schlaepfli JA, Bassetti C, Kaelin-Lang A, Pollo C. (2018). Pedunculo-pontine nucleus: an integrative view with implications on Deep Brain Stimulation. *Neurobiol Dis.* doi:10.1016/j.nbd.2018.08.015

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Grandi LC, Di Giovanni G, **Galati S\***. (2018). Animal models of early-stage Parkinson's disease and acute dopamine deficiency to study compensatory neurodegenerative mechanisms. *Journal of Neuroscience Methods.* doi:10.1016/j.jneumeth.2018.08.012. **\*Corresponding Author**

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- Stefani A, Peppe A, **Galati S**, Bassi MS, D'Angelo V, Pierantozzi M. (2013) The serendipity case of the pedunculopontine nucleus low-frequency brain stimulation: chasing a gait response, finding sleep, and cognition improvement. *Front Neurol.* 4:68. doi: 10.3389/fneur.2013.00068.
- Pierucci M, **Galati S**, Valentino M, Di Matteo V, Benigno A, Muscat R, Pitruzzella A, Di Giovanni G. (2011) Nitric Oxide Modulation Of The Basal Ganglia Circuitry: Therapeutic Implication For Parkinson's Disease And Other Motor Disorders. *CNS Neurol Disord Drug Targets.*10(7):777-91. doi:10.2174/187152711798072329
- Stefani A, Pierantozzi M, Koch G, **Galati S**, Stanzione P. (2010) Therapy for Dyskinesias in Parkinson's Disease Patients. *Future Neurology.* 5(2):277-299. doi:10.2217/fnl.10.9

### **Books contribution**

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- Galati S\***, Di Giovanni G. (2013) Intracerebral human microdialysis in parkinson's disease. *Microdialysis Techniques in Neuroscience, Neuromethods*, vol. 75, pp. 209-223. \***Corresponding Author**
- Marceglia S, Mrakic-Sposta S, Tommasi G, Bartolomei L, Foresti C, Valzania F, **Galati S**, Stefani A, Tamma F, Priori A. (2010) Multicenter study report: electrophysiological monitoring procedures for subthalamic deep brain stimulation surgery in Parkinson's disease. *Neurol Sci.* 31(4):449-57. doi: 10.1007/s10072-010-0254-0
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- Galati S. (2017). Impulse control behavior in movement disorders: Focus on restless leg syndrome. In M. Manconi & D. García-Borreguero (Eds.), *Restless Legs Syndrome/Willis-Ekbom Disease: Long-term consequences and management* (pp. 229-244). New York, NY, US: Springer Science + Business Media.

### **Case reports**

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- Stefani A, Marzetti F, Pierantozzi M, Petrucci S, Olivola E, **Galati S**, Bassi MS, Imbriani P, Valente EM, Pastore FS. (2013) Successful subthalamic stimulation, but levodopa-induced dystonia, in a genetic Parkinson's disease. *Neurol Sci.* 34(3):383-386. doi: 10.1007/s10072-012-1014-0

**Galati S\***, Städler C, Möller JC. (2015) Parkinsonism and Gorlin-Goltz syndrome: more than an incidental association? *J Neuropsychiatry Clin Neurosci* 27(1):e83-4 doi:10.1176/appi.neuropsych.13120363

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**Galati S\***, Möller JC, Städler C. (2014) Ropinirole-induced pisa syndrome in Parkinson disease. *Clin Neuropharmacol.* 37(2): 58-9. doi: 10.1097/WNF.0000000000000022 **\*Corresponding Author**

**Galati S\***, Städler C.(2013) Schizophrenia symptoms relieved by CO-induced pallidal lesion: a case report. *J Neuropsychiatry Clin Neurosci.* 25(2):E52-3 doi:10.1176/appi.neuropsych.12060139

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Brusa L, Orlacchio A, Stefani A, **Galati S**, Pierantozzi M, Iani C, Mercuri N. (2013). Tetrabenazine improves levodopa-induced peak-dose dyskinesias in patients with Parkinson's disease. *Functional neurology.* 28(2):101-105. doi:10.11138/FNeur/2013.28.1.101.

Stefani A, **Galati S**, Brusa L, Pierantozzi M, Peppe A, Stanzione P. (2010) Pathological gambling from dopamine agonist and deep brain stimulation of the nucleus tegmenti pedunculopontine. *BMJ Case Reports.* doi:10.1136/bcr.02.2010.2774