

Abstract Submitted  
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**Stem Cell Physics. Multiple-Laser-Beam Treatment of Parkinson's Disease**<sup>1</sup> V. ALEXANDER STEFAN, Institute for Advanced Physics Studies, Stefan University, La Jolla, California 92037 — A novel method for the treatment of Parkinson's disease is proposed. Pluripotent stem cells are laser cultured, using ultrashort wavelength, (around 0.1 micron-ultraviolet radiation-with intensities of a few mW/cm<sup>2</sup>), multiple laser beams.<sup>2</sup> The multiple-energy laser photons<sup>3</sup> interact with the neuron DNA molecules to be cloned. The laser created dopaminergic substantia nigra neurons can be, (theoretically), laser transplanted, (a higher focusing precision as compared to a syringe method), into the striatum or substantia nigra regions of the brain, or both.

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<sup>2</sup>V. Stefan, B. I. Cohen, C. Joshi, *Science*, 243, 4890, (Jan.27, 1989); Stefan et al., Bull. APS 32, No.9, 1713, (1987); Stefan APS March-2012, # K1.00177; APS March-2011, #S1.143; APS March-2009, #K1.276.

<sup>3</sup>V. Alexander Stefan, NEUROPHYSICS, STEM CELL PHYSICS, and GENOMIC PHYSICS: Beat-Wave-Driven-Free Electron Laser Beam Interactions with the Living Matter (S-U-Press, La Jolla, CA, 2012)

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