Current Stem Cell Research & Therapy

Overviews on Current Stem Cell Research for Neurological Therapy

*Guest Editors: Athanasios Alexiou*¹, *Nigel H. Greig*², *Cornelia Wilson*¹³

*Mohammad A. Kamal*¹⁴⁵

¹Novel Global Community Educational Foundation, Australia; ²Drug Design & Development Section, Translational Gerontology Branch, Intramural Research Program, National Institute on Aging, National Institutes of Health, Biomedical Research Center, 251 Bayview Boulevard, Baltimore, MD 21224, USA; ³University of Limoges, France; ⁴King Fahd Medical Research Center, King Abdulaziz University, P. O. Box 80216, Jeddah 21589, Saudi Arabia; ⁵Enzymoics, 7 Peterlee Place, Hebersham, NSW 2770;

**Description:**
Each system within an organism has an exclusive purpose and performs a specific need, in which physiological adaptations and reactions take place. As an example, the nervous system, which is undoubtedly the most complex system in the mammalian species, composed of neurons, synapses and important specialized supporting cells to permit and maintain appropriate signaling of neurotransmission, performs numerous roles epitomized by initiating and regulating the contraction or relaxation of muscles - permitting coordinated movement and the whole-body to function. Overall, the role of the central nervous system is to control body function in an organized, well-orchestrated manner; maintaining homeostasis in the face of multiple environmental changes. The purpose of this special issue is to shed light on the current state of the wide range of neurological stem cells research for therapeutic purpose.

**Proposal Keywords:**
Alzheimer’ Disease; Stem Cell; Research; Neurological disorders; Therapy; Biochemistry; Biophysics; Cell biology; Endocrinology; Immunology; Genetic; Molecular; Neuroinformatics; Pharmacology; Physiology; Proteomics; Psychology; Parkinson disorder

**Schedule:**
Abstract Submission to Guest Editors Deadline: 31 January 2018
Manuscript Submission to Guest Editors Deadline: 31 April 2018