



## Neural Stem Cells in Health and Disease (Hardback)

By Ashok K. Shetty

World Scientific Publishing Co Pte Ltd, Singapore, 2015.  
 Hardback. Book Condition: New. 231 x 155 mm. Language: English . Brand New Book. This book is a comprehensive guide on neural stem cell behavior in health and disease. It will cover the altered behavior of endogenous neural stem cells in neurodegenerative conditions and the prospects of neural stem cell therapy for alleviating brain dysfunction in a variety of neurodegenerative disorders. First set of chapters will focus on neural stem cell proliferation, neuronal differentiation and maturation of progeny of cells derived from neural stem cells in brain regions, such as the hippocampus and the subventricular zone of the forebrain. Neural stem cell behavior in young and aged brains and functional implications of altered neural stem cell behavior will be discussed as well. The second set of chapters will cover altered behavior of endogenous neural stem cells and their functional implications in disorders, such as temporal lobe epilepsy, cancer, traumatic brain injury, stroke, Alzheimer s disease, addiction and alcohol use. The third set of chapters will discuss prospects of stem cell therapy for various neurological disorders, which will comprise of their behavior after grafting and functional recovery mediated by them. Additional chapters will discuss how to...



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