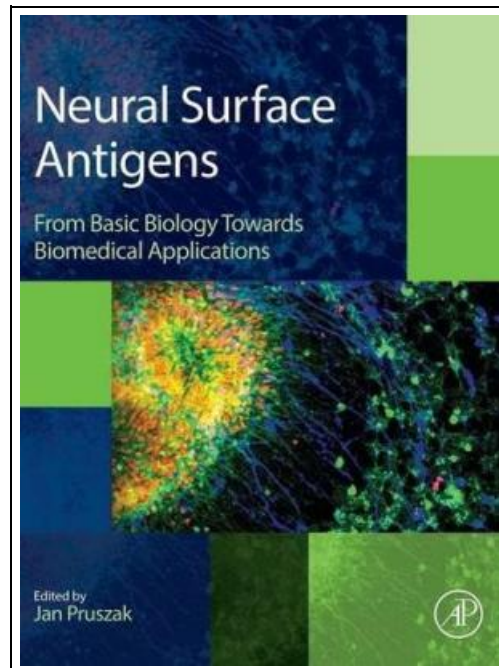


Neural Surface Antigens



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Reviews

The book is fantastic and great. It is rally exciting throgh looking at period of time. Your way of life period will likely be change when you full reading this publication.

(Elijah Kuphal)

NEURAL SURFACE ANTIGENS



Condition: New. Publisher/Verlag: Academic Press | From Basic Biology Towards Biomedical Applications | Neural Surface Antigens: From Basic Biology towards Biomedical Applications focuses on the functional role of surface molecules in neural development, stem cell research, and translational biomedical paradigms. With an emphasis on human and rodent model systems, this reference covers fundamentals of neural stem cell biology and flow cytometric methodology. Addressing cell biologists as well as clinicians working in the neurosciences, the book was conceived by an international panel of experts to cover a vast array of particular surface antigen families and subtypes. It provides insight into the basic biology and functional mechanisms of neural cell surface signaling molecules influencing mammalian development, regeneration, and treatments. Introduces early phase clinical trials of neural stem cells Outlines characterization of surface molecule expression and methods for isolation which open unprecedented opportunities for functional study, quantitation & diagnostics Highlights the role of stem cells in neural surface antigen and biomarker analysis and applications | Foreword (Mahendra Rao) Preface (Jan Pruszk) Chapter 1: Fundamentals of neurogenesis and neural stem cell development (Verdon Taylor) Chapter 2: Neural cell characterization and isolation via flow cytometry (Geoffrey Osborne) Chapter 3: CD36, CD44, CD83 expression and putative functions in neural tissues (Isaias Glezer) Chapter 4: Life and death in the CNS: the role of CD95 (Ana Martin-Villalba) Chapter 5: Role of fundamental pathways of innate and adaptive immunity in neural differentiation: focus on Toll-like receptors, complement system and T-cell related signaling H  l  ne Boudin) Chapter 6: Neuropilins in development and disease of the nervous system (Christiana Ruhrberg) Chapter 7: Growth and neurotrophic factor receptors in neural differentiation and phenotype specification (Henning Ulrich) Chapter 8: Glycolipid antigens in neural stem cells (Robert K. Yu) Chapter 9: NG2 (Cspg4): Cell surface proteoglycan on oligodendrocyte progenitor cells in the developing and mature nervous system (Akiko Nishiyama) Chapter 10: Comprehensive overview of CD133 biology in neural...



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