Science/Life Sciences/Cell Biology

Neural Surface Antigens

From Basic Biology Towards Biomedical Applications

Edited by
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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.

Key Features

- Introduces basic science and translational perspectives of neural stem cell biology
- Outlines characterization of surface molecule expression and isolation methods for functional study, quantitation, therapeutics, and diagnostics
- Highlights the role of neural surface antigens in biomarker analysis and stem cell applications

Related Titles

Lanza & Atala/Essentials of Stem Cell Biology, 3e/9780124095038
Mummery/Stem Cells: Scientific Fact and Fiction/9780124115514
Jones/Mesenchymal Stem Cells for Skeletal Regeneration/9780124079151
Lanza & Atala/Handbook of Stem Cells, 2e (2-vol set)/9780123859426

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