



Patterning and Cell Type Specification in the Developing CNS and PNS: Comprehensive Developmental Neuroscience

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The genetic, molecular, and cellular mechanisms of neural development are essential for understanding evolution and disorders of neural systems. Recent advances in genetic, molecular, and cell biological methods have generated a massive increase in new information, but there is a paucity of comprehensive and up-to-date syntheses, references, and historical perspectives on this important subject. The Comprehensive Developmental Neuroscience series is designed to fill this gap, offering the most thorough coverage of this field on the market today and addressing all aspects of how the nervous system and its components develop. Particular attention is paid to the effects of abnormal development and on new psychiatric/neurological treatments being developed based on our increased understanding of developmental mechanisms. Each volume in the series consists of review style articles that average 15-20pp and feature numerous illustrations and full references. Volume 1 offers 48 high level articles devoted mainly to patterning and cell type specification in the developing central and peripheral nervous systems.

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Editorial Review

Review

"This first volume of the Comprehensive Developmental Neuroscience series, presented by editors Rubenstein and Rakic, draws from developmental biology, cell biology, molecular genetics, and nervous system morphology to give a rounded picture of the course of neurological development... Intended to be useful for researchers, clinicians, and students, the text is extensive with references to primary research and contains many full-color illustrations."--Reference & Research Book News, October 2013

From the Back Cover

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