Neural Crest Cells

Evolution, Development and Disease

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Neural Crest Cells: Evolution, Development and Disease summarizes discoveries of historical significance and provides in-depth, current analyses of the evolution of neural crest cells, their contribution to embryo development, and their roles in disease. In addition, prospects for tissue engineering, repair and regeneration are covered, offering a timely synthesis of the current knowledge in neural crest cell research.

A comprehensive resource on neural crest cells for researchers studying embryology, cell biology, developmental biology, organogenesis, stem cells and evolution, *Neural Crest Cells: Evolution, Development and Disease* provides foundational information needed for students, practicing physicians and dentists treating patients with craniofacial defects.

Key Features

- Covers the evolution and development of neural crest cells
- Provides timely, comprehensive synthesis of the current knowledge of neural crest cells
- Discusses current understanding of etiology and pathogenesis of defects in neural crest cell development, as well as the potential for prevention and repair
- Offers paradigm to study morphogenetic induction, migratory behavior, and other developmental processes
- Provides a thorough understanding of the normal events that control craniofacial development and organogenesis during embryogenesis

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