



# Principles of Developmental Genetics

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By Moody, Sally A.

Book Condition: New. Publisher/Verlag: Academic Press | Providing expert coverage of all major events in early embryogenesis and the organogenesis of specific systems, and supplemented with representative clinical syndromes, Principles of Developmental Genetics, Second Edition discusses the processes of normal development in embryonic and prenatal animals, including humans. The new edition of this classic work supports clinical researchers developing future therapies with its all-new coverage of systems biology, stem cell biology, new technologies, and clinical disorders. A crystal-clear layout, exceptional full-color design, and bulleted summaries of major takeaways and clinical pathways assist comprehension and readability of the highly complex content. All-new coverage of systems biology and stem cell biology in context of evolving technologies places the work squarely on the modern sciences. Chapters are complemented with a bulleted summary for easy digestion of the major points, with a clinical summary for therapeutic application. Clinical highlights provides a bridge between basic developmental biology and clinical sciences in embryonic and prenatal syndromes | Section I: Emerging Technologies and Systems Biology 1. Untangling the Gordian knot: Cell signaling events that instruct development 2. RNA-seq and deep sequencing 3. Using mutagenesis in mice and zebrafish for developmental gene discovery 4. Chemical approaches to control...



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