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Principles Of Development



Synopsis

How does a single cell develop into myriad different specialized cell types, control the organization of these different cells into tissues and organs, and ultimately form an unimaginably complex living organism like a human being? How is it possible for some adult animals, but not others, to regenerate fully functioning limbs? Answering these questions and many more in captivating detail, *Principles of Development, Fifth Edition*, introduces students to the fascinating field of developmental biology. It clearly and succinctly explains cutting-edge science and illustrates principles with a variety of custom-drawn figures, animations, and links to online movies that show development happening in real time. The authors consistently focus on the key principles of development--the underlying processes shared by diverse groups of organisms. This emphasis on principles provides a framework on which students can build a rich understanding of specific topics. Extensive pedagogical support materials, both in the book and online, make this text the complete package for students of developmental biology.

Book Information

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Customer Reviews

"Now in its fifth edition, this delightful textbook introduces developmental biology in a clear and interesting way, and the authors' enthusiasm leaps out of every page... It will be a useful reference for students of developmental biology and an enjoyable read for anyone interested in this field."

--iThe Biologist

Lewis Wolpert is Emeritus Professor of Biology at University College London. Cheryll Tickle is

Professor Emeritus at the University of Bath. Alfonso Martinez Arias is Professor of Developmental Mechanics at the University of Cambridge.

Really a solid, sharp (very sharp!) product. My old serrated product disappeared somewhere, but I wish I'd bought this one years ago. Nice and valuable. as a gift to my colleague, very patient and helpful. best service.

The spine seemed a little loose but not bad. Today, it fell completely off when I simply opened the book.

The vertebrate limb is now recognized as being patterned by a Turing-type reaction-diffusion mechanism. Although this has major implications for the development of this structure as well as its origin and evolution, it is barely mentioned in the long chapter on this system. This is despite the limb's being the main research specialty of the authors. It makes you wonder about the rest.

Good condition

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The book was in great condition!

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