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# Human Embryology And Developmental Biology: With STUDENT CONSULT Online Access, 4e



## Synopsis

This thoroughly revised 4th edition offers both clear descriptions and explanations of human embryonic development based on all the most up-to-date scientific discoveries and understanding. Particular attention is paid to the fundamental aspects of molecular mechanisms in development, introducing you to major families of important developmental molecules. Clinical aspects of development are covered throughout in boxed sections of text. First-rate illustrations and Student Consult access, including online animations, complete this essential package. Integrates contemporary developmental knowledge with classical embryological understanding. Interprets complex molecular developments, to help you learn how exactly the embryo develops. Presents first-rate clinical photos and clear drawings, to help you to memorize and understand normal and abnormal development. Uses clear sections within the chapter and summaries at the end of each to help you navigate this complex subject. Includes review questions at the end of each chapter to help you assess your knowledge. Provides more coverage of molecular development to help you interpret complex information. Helps you to understand the full 3-D development of the embryo and the shapes of the developing forms using detailed animations on Student Consult. Revises the section on the development of the head, particularly useful for dental students. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. If the next edition is published less than one year after your purchase, you will be entitled to online access for one year from your date of purchase. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

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## Customer Reviews

"This is an excellent introduction to classical human embryology from a mechanistic and molecular viewpoint. It fills an important niche at a time when medical educators are faced with a conundrum. The genetic basis of disease and development are becoming more stressed in medicine at the same time that there is decreased coverage of classical embryology in the undergraduate medical curriculum, where it has been subjugated to a few lectures in most anatomy courses. The speed of change in the growing field of molecular and developmental biology warrants this revised and updated version. Overall, it improves upon the third edition it replaces, with improved artwork and the new approach to the development of the head that dental students will find very useful." - Mark Jaffe, DPM, MHSA (Nova Southeastern University), from [Doody's Reviews](#) "This is an excellent content bridge between anatomy and clinical practice: the vignettes are great and the images from the book are available online and downloadable as slides. It could become a best seller as its content and presentation are excellent, and the web-based support is very good." BMA Book Awards 2009 - judges comments

Bruce M. Carlson, MD, PhD, Professor, Department of Cell and Developmental Biology; Director, Institute of Gerontology, University of Michigan, Ann Arbor, MI --This text refers to the Digital edition.

I am purchasing this book based on Bruce Carlson's solid reputation as author of other developmental biology textbooks. I expect this book to be comparable.

Carlson's "Human embryology and developmental biology" is a good book for biology and, most of all, medicine students, who want to understand the basic principles of development. It doesn't have a lot of developmental anatomy, but it explains clearly and simply the ultimate advances in experimental embryology. If you are for the first time studying developmental biology, you should read it. It also contains at the end of each chapter a lot of references, which will help you if you want to learn more about any specific topic.

I use the book to my embryology class and I have to say that is the best book of embryology I find. The contents are very up-date, and handle much information of the molecular basis of the

development and the genes that are expressed in every step of the human development. The book have a very good redaction and the gene information of the book is the best one. It's a very up-dated book.

I teach developmental biology and study invertbrate devlopment and evolution. For my course I use Scott Gilbert's excellent text and teach my course as a general introduction. I just became pregnant and purchased this book to exapand my knowledge on human development.I'm rather disppointed. It's not detailed enough and while the illustrations are nice, there are several diagrams that illustrate paracrine factor targets but are never mentioned in the text or explained. why diagram them then? Even more disturbing is a underlying teological bias that many intelligent designers would salivate over reading. For instance page 209 "a master blue print" is used to describe the interactions of several tissue types to form the limbs. It's disturbing to think that our MD's might be using this text for their human embryology courses- its a very basic pass frought with poor word choices that would satisfy any creationist.

Must have!!

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