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# Essential Developmental Biology



## Synopsis

Essential Developmental Biology is a comprehensive, richly illustrated introduction to all aspects of developmental biology. Written in a clear and accessible style, the third edition of this popular textbook has been expanded and updated. In addition, an accompanying website provides instructional materials for both student and lecturer use, including animated developmental processes, a photo gallery of selected model organisms, and all artwork in downloadable format. With an emphasis throughout on the evidence underpinning the main conclusions, this book is an essential text for both introductory and more advanced courses in developmental biology.

Shortlisted for the Society of Biology Book Awards 2013 in the Undergraduate Textbook category.

Reviews of the Second Edition: "The second edition is a must have for anyone interested in development biology. New findings in hot fields such as stem cells, regeneration, and aging should make it attractive to a wide readership. Overall, the book is concise, well structured, and illustrated. I can highly recommend it." *•Peter Gruss, Max Planck Society* "I have always found Jonathan Slack's writing thoughtful, provocative, and engaging, and simply fun to read. This effort is no exception. Every student of developmental biology should experience his holistic yet analytical view of the subject." *•Margaret Saha, College of William & Mary*

## Book Information

Paperback: 496 pages

Publisher: Wiley-Blackwell; 3 edition (December 26, 2012)

Language: English

ISBN-10: 0470923512

ISBN-13: 978-0470923511

Product Dimensions: 8.7 x 0.7 x 10.9 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 stars 5 customer reviews

Best Sellers Rank: #348,088 in Books (See Top 100 in Books) #85 in Books > Science & Math > Biological Sciences > Biology > Developmental Biology #1496 in Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Biology #1942 in Books > Science & Math > Evolution

## Customer Reviews

Essential Developmental Biology is a comprehensive, richly illustrated introduction to developmental biology. Written in a clear and accessible style, the third edition of this popular textbook has been

expanded and updated to include: Numerous full color photographs of developmental biology specimens A new concise summary of “How Development Works” • New chapters on “Techniques for Studying Organogenesis” and “Applications of Pluripotent Stem Cells” • Expanded treatment of human development, tissue renewal, stem cells, growth, aging, and regeneration. In addition, the accompanying website provides useful materials for both student and instructor, including animated developmental processes and all artwork in downloadable format. From review of the second edition: “The second edition is a must have for anyone interested in development biology. New findings in hot fields such as stem cells, regeneration, and aging should make it attractive to a wide readership. Overall, the book is concise, well structured, and illustrated. I can highly recommend it.” • Peter Gruss, Max Planck Society

PROFESSOR JONATHAN SLACK has worked in London, Oxford and Bath and is currently Director of the Stem Cell Institute at the University of Minnesota, USA. He is a member of the European Molecular Biology Organization and a Fellow of the Academy of Medical Sciences. He has published numerous research papers on developmental biology as well as three other books, of which the most recent is *Stem Cells: A Very Short Introduction*.

The textbook reads on level for a 4000 level biology course. The author is very good, with few exceptions, of explaining pretty complex ideas and signaling cascades in a manner that you can understand them. The only issue I really have with this textbook is the author does not really organize information in a logical manner. In other words, this is a textbook for developmental biology, things have to happen in a certain order. There is temporal component that, in my opinion, should be taught in the same order as it happens in a embryo. The author shuffles stuff around and it makes the chapters very confusing. Once you have figured out what's going on and you re-organize the information the textbook is excellent. But until you do that, the textbook is kind of a nightmare to follow. The author really never clarifies why he has shuffled elements around that would be better understood if they had been presented in the same sequence as they happen in real life. The textbook itself was in good shape and well packaged for shipping.

I don't like high mammals are only lightly mentioned in mice. They focus too much on other species and not at all on humans.

This text book is really informative and to the point. It's been helpful for me as far as preparing for tests and labs. Slack does a lovely job at explaining biological processes. Would recommend to anyone interested in the subject.

Good. They didn't fine me. Good price.

This is an excellent up to date text book on developmental biology. It is a good introduction to the topic.

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