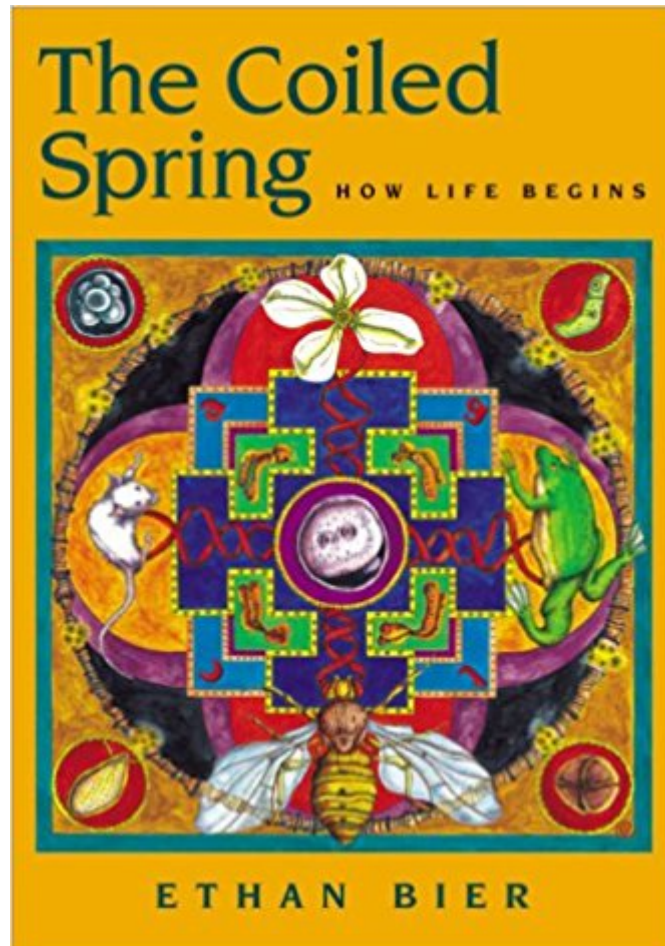


The book was found

The Coiled Spring: How Life Begins



Synopsis

A concise, readable account of the principles underlying embryonic and appendage development in animals and plants, illustrated with colorful artwork and interviews with prominent investigators. Highly recommended for use in undergraduate and graduate courses.

Book Information

Paperback: 252 pages

Publisher: Cold Spring Harbor Laboratory Press; 1st edition (August 15, 2000)

Language: English

ISBN-10: 0879695633

ISBN-13: 978-0879695637

Product Dimensions: 9.9 x 7 x 0.6 inches

Shipping Weight: 1.6 pounds

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #598,576 in Books (See Top 100 in Books) #161 in Books > Science & Math > Biological Sciences > Biology > Developmental Biology #162 in Books > Textbooks > Medicine & Health Sciences > Medicine > Basic Sciences > Genetics #555 in Books > Science & Math > Biological Sciences > Biology > Molecular Biology

Customer Reviews

A well-illustrated and accessible account of our current understanding of how fertilized eggs are transformed into complex organisms. -- Science Magazine, November 3, 2000

Richard Behringer, Univ of Texas M.D. Anderson Cancer Center, had the following to say about The Coiled Spring: Ethan Bier has written a wonderful book that distills the essence and current highlights of modern developmental biology and genetics. It is broadly written for a general audience but detailed enough to provide a useful review for specialists. The initial chapters of the book prepare the naïve reader to understand the central dogma and the modern methods of molecular genetics and embryology. The author then presents two chapters each on Drosophila, vertebrate, and plant embryo axis formation and appendage patterning, creating a well balanced view of life. The final chapter is on the 'Future of Biology and Man', discussing the relevance of embryological studies to biomedical research and human health. The author should be praised for being particularly speculative in this last chapter yet alerting the naïve reader when discussions spill over into science fiction. This chapter is refreshingly current and should result in The Coiled

Spring being a very current text for years to come. Bier writes in a very clear style that not only conveys knowledge but also great excitement for the subject. There are very helpful glossaries throughout the book and beautiful illustrations that are very clearly presented. In addition, Bier has added 'Bioboxes', vignettes on the lives and careers of some of our leading scientists in this field who provide opinions on the most important aspects of scientific discovery. These Bioboxes provide the human element to this exciting field of biology and may inspire current students. Finally, this book sets the stage for subsequent books, including one that would highlight the achievements in developmental biology that have led to knowledge of human disease and one that would go beyond the standard animal and plant model systems to show how an understanding of the core developmental mechanisms are altered to create the amazing diversity of life on earth.

Not quite thorough enough to be a textbook, but more than an introduction. It was more of a challenge than I had anticipated. And that is one of the reasons for the 5 stars. This book is more thorough than 'Endless Forms Most Beautiful' (which was brilliant) and it is written more like a textbook. Highly recommended if you are interested in (evolutionary) development.

Beautifully written, with detailed and clear explanations. Every chapter starts with a "Cast of Characters" that defines the terms that will be used (instead of relegating them to the glossary at the back of the book). It uses great metaphors to drive the most important points home (e.g. "...Dpp suppresses neuroectodermal gene expression in dorsal cells. The idea is reminiscent of political strategy. To succeed, you both promote yourself and attack your competition." "A metamorphosing insect puts even the most sophisticated children's transformer toy to shame." Really helpful.

[Download to continue reading...](#)

The Coiled Spring: How Life Begins Easy Spring Roll Cookbook: 50 Delicious Spring Roll and Egg Roll Recipes (Spring Roll Recipes, Spring Roll Cookbook, Egg Roll Recipes, Egg Roll Cookbook, Asian Recipes, Asian Cookbook Book 1) Wire Jewelry Masterclass: Wrapped, Coiled and Woven Pieces Using Fine Materials Country Spring: Inspiring Coloring Book with 40 Hand-Drawn Illustrations Featuring The Beauty of Spring in the Country (Inspirational Coloring Book) Wedding Dress Spring 25 Different styles (Wedding Spring) (Volume 1) The Fires of Spring: A Post-Arab Spring Journey Through the Turbulent New Middle East - Turkey, Iraq, Qatar, Jordan, Egypt, and Tunisia Vegan Spring Rolls & Summer Rolls: 50 Delicious Vegan Spring Roll Recipes and Summer Roll Recipes (Veganized Recipes Book 10) Spring Roll Recipes: Scrumptious Spring Roll Recipes for Breakfast, Lunch, Dinner and More (The Easy Recipe) Flower Gardening with Spring Bulbs: How

To Be The Envy of The Neighborhood With Spring Bulbs Fall Bulbs For Spring Flowers: Tulips, Daffodils, Amaryllis & 14 Other Bulbs To Plant For A Blooming Spring Garden... Garden Book John Hogue's Worldwide Astrological Predictions for the Real New Year: Spring 2017 to Spring 2018 Spring in Action: Covers Spring 4 Living Well Beyond Breast Cancer: A Survivor's Guide for When Treatment Ends and the Rest of Your Life Begins Think Better, Live Better: A Victorious Life Begins in Your Mind The End of Me: Where Real Life in the Upside-Down Ways of Jesus Begins End of Me: Where Real Life in the Upside-Down Ways of Jesus Begins Your Best Life Begins Each Morning: Devotions to Start Every Day of the Year (Faithwords) Before the Animation Begins: The Art and Lives of Disney Inspirational Sketch Artists One Renegade Cell: How Cancer Begins (Science Masters Series) Chess: How to Play Chess: For (Absolute) Beginners: The Journey to Your Empire Begins Here (The Skill Artist's Guide - Chess Strategy, Chess Books Book 3)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)