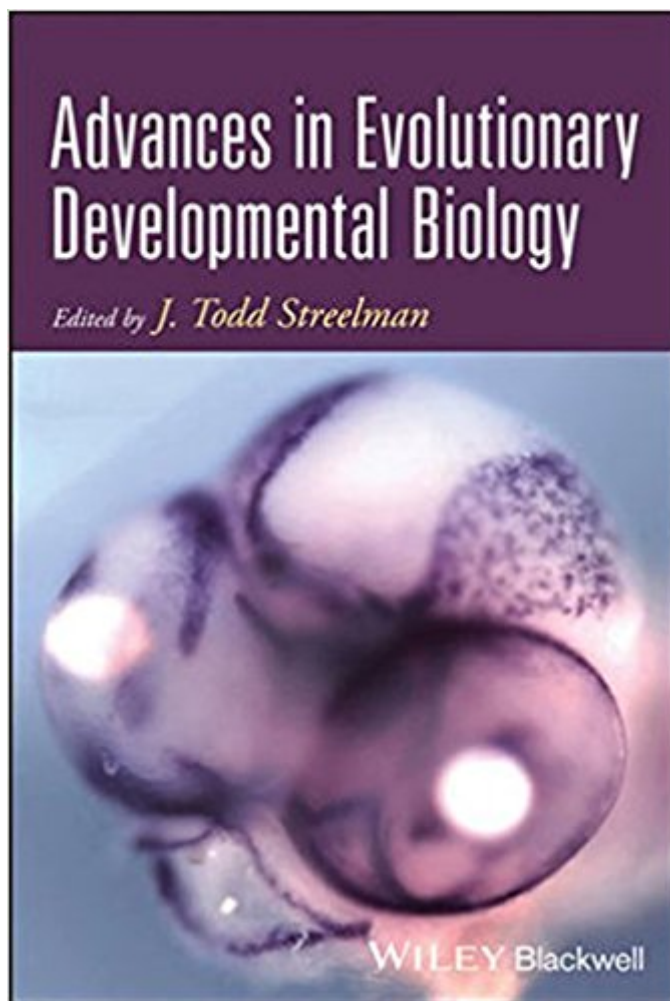


The book was found

Advances In Evolutionary Developmental Biology



Synopsis

Providing outstanding breadth of coverage in evo-devo, *Advances in Evolutionary Developmental Biology* provides a comprehensive review of the milestones of research in evolution and development and outlines the exciting research agenda for the field going forward. Compiling the viewpoints of a diverse group of field experts, this timely text expands the now-mature science of evo-devo into more complex areas of research. This essential reference is destined to become the go-to source for ideas and hypotheses for a new generation of graduate students in evolutionary and developmental biology.

Book Information

Hardcover: 256 pages

Publisher: Wiley-Blackwell; 1 edition (January 21, 2014)

Language: English

ISBN-10: 1118131118

ISBN-13: 978-1118131114

Product Dimensions: 7.2 x 0.7 x 10.3 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #653,838 in Books (See Top 100 in Books) #176 in [Books > Science & Math > Biological Sciences > Biology > Developmental Biology](#) #182 in [Books > Science & Math > Evolution > Organic](#) #2447 in [Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Biology](#)

Customer Reviews

“All in all, this book is a nice resource for nascent evo-devo students who would like to get to know the history of their field, or for outsiders to evo-devo who would like to know some of the major contributions.” (The Quarterly Review of Biology, 1 October 2015)

An outstanding look at the complex field of evo-devo; from traditional avenues of research to more novel topics; as reported and speculated on by a panel of scientific experts The process of development transforms small single-cell zygotes into large complex animals and plants. The way this happens represents a visually stunning synchrony of processes from cell growth to cell death and differentiation. The modification of developmental trajectories can result in evolutionary change. Evo-devo thus sits at the intersection of research into the processes and mechanisms of

development and the processes and mechanisms of evolution. Providing outstanding breadth of coverage in evo-devo, *Advances in Evolutionary Developmental Biology* presents a comprehensive review of the milestones of research in evolution and development and outlines the exciting research agenda for the field going forward. Compiling the viewpoints of a diverse group of field experts, this timely text expands the now-mature science of evo-devo into more complex areas of research and offers eye-opening chapters on: "The genetic tool-kit": the life history of an important metaphor The evolution of sex determination in animals The evolution and development of eusocial insect behavior Evo-devo on chip From black and white to shades of gray: unifying evo-devo through the integration of molecular and quantitative approaches Advances in understanding limb regeneration in a developmental and evolutionary context Ectodermal organ stem cells: morphogenesis, population regenerative behavior, and evo-devo Perspectives in evo-devo of the vertebrate brain Evolution and development of language Advancing evolutionary developmental biology *Advances in Evolutionary Developmental Biology* is an essential reference destined to become the go-to source for ideas and hypotheses for a new generation of graduate students in evolutionary and developmental biology.

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

Developmental Biology, Ninth Edition (Developmental Biology Developmental Biology) *Advances in Evolutionary Developmental Biology* *Origination of Organismal Form: Beyond the Gene in Developmental and Evolutionary Biology* (Vienna Series in Theoretical Biology) *Endless Forms Most Beautiful: The New Science of Evolutionary Developmental Biology* (Evo Devo) *Advances in Herpetology and Evolutionary Biology: Essays in Honor of Ernest E. Williams* *Advances in Modelling and Clinical Application of Intravenous Anaesthesia* (Advances in Experimental Medicine and Biology) *Evolutionary Algorithms in Theory and Practice: Evolution Strategies, Evolutionary Programming, Genetic Algorithms* *Evolutionary Algorithms for Solving Multi-Objective Problems* (Genetic and Evolutionary Computation) *The Zuckerman Parker Handbook of Developmental and Behavioral Pediatrics for Primary Care* (Parker, Developmental and Behavioral Pediatrics) *Neuropilin: From Nervous System to Vascular and Tumor Biology* (Advances in Experimental Medicine and Biology) *Biology of the Mammary Gland* (Advances in Experimental Medicine and Biology) *Young Scientists: Learning Basic Biology (Ages 9 and Up): Biology Books for Kids* (Children's Biology Books) *Marine Mammals, Third Edition: Evolutionary Biology* Dr. Tatiana's Sex Advice to All Creation: The Definitive Guide to the Evolutionary Biology of Sex Research on Altruism and Love: An Annotated Bibliography of Major Studies in Psychology, Sociology, Evolutionary Biology, and Theology *Evolutionary Robotics: The Biology, Intelligence, and Technology of*

Self-Organizing Machines (Intelligent Robotics and Autonomous Agents) Feature Detectors and Motion Detection in Video Processing (Advances in Multimedia and Interactive Technologies) (Advances in Multimedia and Interactive Technologies (Amit)) Advances in Corrosion Science and Technology: Volume 6 (Advances in Corrosion Science & Technology) Hydrosilylation: A Comprehensive Review on Recent Advances (Advances in Silicon Science) Advances in Equine Laparoscopy (AVS Advances in Veterinary Surgery)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)