



# BOOK NEWS from Elsevier

## エルゼビアよりブックシリーズのご案内

複数の編集者がチームで担当し、年に最低1冊以上発行されるジャーナルを補完する必須文献です。共通の特性を持つトピックのさまざまな面に重点を置き、ジャーナルより長い記述でテーマを掘り下げたり、成熟した研究分野の権威ある情報を集め、手法について参照しやすくまとめています。

ScienceDirect

生物学



## Current Topics in Developmental Biology

ISSN: 0070-2153

Series Editor:

**Paul M. Wassarman**, Icahn School of Medicine at Mount Sinai.

発生生物学分野の中で最も古くから参照される権威あるレビューシリーズ。1966年創刊。

Current Topics in Developmental Biology (CTDB) is a long-standing series that provides comprehensive surveys of major topics in the field of developmental biology. The series is approaching its 50th anniversary in 2016, making it the longest running forum for contemporary issues in developmental biology. Each volume of CTDB has a central theme (e.g., hox genes, notch signaling, myogenesis, microRNAs, gametogenesis, epigenetics, stem cells, etc.) and includes articles written by outstanding research scientists who themselves investigate various aspects of the volume's central theme. CTDB should be particularly appealing to principal investigators, post-doctoral fellows, and graduate students who are looking for up-to-date, in-depth reviews of cellular and molecular mechanisms in animal and plant development.

**Cite Score 2019:** 7.3

**Impact Factor 2019:** 4.035 (Copyright ISI Journal Citation Report)

**Praise for the Series:** "Outstanding both in variety and in the quality of its contributions." - NATURE

## Upcoming / Recent Volumes

2020年刊行

### Volume 140: Maternal Effect Genes in Development

Serial Volume Editors: Florence Marlow

eBook ISBN: 9780128152218 Hardcover ISBN: 9780128152201

Current Topics in Developmental Biology series highlights new advances in the field, with this new volume presenting interesting chapters. Each chapter is written by one or more members of an international board of authors.

### Volume 139: Gene Regulatory Networks (GRNs)

Serial Volume Editors: Isabelle Peter

eBook ISBN: 9780128131817 Hardcover ISBN: 9780128131800

Gene Regulatory Networks (GRNs), Volume 139 in the Current Topics in Developmental Biology series, highlights new advances in the field, with this new volume presenting interesting chapters written by an international board of authors. Topics in this release include Mouse hindbrain GRN, Xenopus endoderm GRN – organogenesis, Vertebrate limb GRN, The notochord gene regulatory network in chordate evolution: conservation and divergence from Ciona to vertebrates, Ciona early embryo GRNs, Boolean logic models, Modeling GRN response to morphogen gradient, GRN architecture, Theory of GRN evolution, Evolution of fly segmentation GRNs, GRN evolution in echinoderms, Evolution of network specificity, and more.

## Upcoming / Recent Volumes

2020 年刊行

### Volume 138: Stem Cell Proliferation and Differentiation

Serial Volume Editors: Thomas G. Fazio

eBook ISBN: 9780128128916 Hardcover ISBN: 9780128128909

Stem Cell Proliferation and Differentiation, Volume 138, the latest release in the Current Topics in Developmental Biology series, highlights new advances in the field, with this new volume presenting interesting chapters. Each chapter is written by an international board of authors.

### Volume 137: Gradients and Tissue Patterning

Serial Volume Editors: Lilianna Solnica-Krezel

eBook ISBN: 9780128127919 Hardcover ISBN: 9780128127902

Gradients and Tissue Patterning, Volume 137 in the Current Topics in Developmental Biology series, highlights new advances in the field, with this new volume presenting interesting chapters on a variety of timely topics. Each chapter is written by an international board of authors.

### Volume 136: Gastrulation: From Embryonic Pattern to Form

Serial Volume Editor: David Sassoon

eBook ISBN: 9780128127995 Hardcover ISBN: 9780128127988

Gastrulation: From Embryonic Pattern to Form Volume 136 in the Current Topics in Developmental Biology series highlights new advances in the field, with this new volume presenting interesting chapters on D. melanogaster, Zebrafish, Chick, Mouse and Human, C. elegans, D. melanogaster Internalization, Sea urchin, Ascidians, Xenopus Internalization, Xenopus Convergent Extension, Zebrafish Epiboly, Zebrafish Internalization, Zebrafish Convergence and Extension, Chick Primitive streak formation and mesendoderm internalization, Octavian Voiculescu, Mouse Primitive streak formation and internalization, Mouse Definitive endoderm morphogenesis, Conservation of movements, and more.

2019 年刊行

### Volume 135: The Immortal Germline

Serial Volume Editors: Ruth Lehmann

eBook ISBN: 9780128097533 Hardcover ISBN: 9780128097526

The Immortal Germline, Volume 135 in the Current Topics in Developmental Biology series, highlights new advances in the field, with this new volume presenting interesting chapters on a variety of topics, including Balbiani body, germ plasm and polarity, Wolbachia and the germline, Human germ line biology, Reproduction/immunity and sperm success, Mammalian spermatogenesis, Reproduction/regeneration and germ cells in planarians, Germline stem cell homeostasis, Germline soma interactions/sex determination, Reconstituting the mouse germ-cell specification pathway in vitro, Maternal Germ line inheritance of mitochondria, Transposon strategies, and more.

### Volume 134: Sex Determination in Vertebrates

Serial Volume Editors: Blanche Capel

eBook ISBN: 9780128115046 Hardcover ISBN: 9780128115442

Sex Determination, Volume 134, the latest release in the Current Topics in Developmental Biology series, contains current reviews in the field of vertebrate sex determination. It covers molecular pathways of sex determination in genetic and environmental species and encompasses both sex determination of somatic lineages and commitment of germ cells to male or female fate. Chapters in this new release cover, amongst other topics, Mapping the Sox9 Enhancer Elements, Epigenetic Regulation of Sex Determination, Evolution and Management of Sex Chromosomes, Regulation of Germ Cell Sex Identity in Medaka, Control of Sex Determination in Zebrafish, Sexually Dimorphic Germ Cell Identity in Mammals, and more.

出版時期及び価格につきましては、予告なく変更となる場合がございます。予めご了承ください。  
本製品はリバースチャージ方式による消費税課税対象品です。

内容に関するご照会、資料のご請求は下記へご用命ください。

エルゼビア・ジャパン株式会社 〒106-0044 東京都港区東麻布 1-9-15 東麻布 1 丁目ビル 4 階

Research Solutions Tel: 03-5561-5034 E-mail: [jpinfo@elsevier.com](mailto:jpinfo@elsevier.com)

製品情報: <https://www.elsevier.com/ja-jp/solutions/sciencedirect/sciencedirect-ebook>

書誌情報: <https://www.elsevier.com/ja-jp/books-and-journals>