

Springer

1st  
edition2013, XI, 68 p. 20 illus., 3  
illus. in color.**Printed book**

Softcover

**Printed book**

Softcover

ISBN 978-3-642-37145-5

\$ 69,99

Available

**Discount group**

Professional Books (2)

**Product category**

Brief

**Series**

SpringerBriefs in Genetics

Life Sciences : Evolutionary Biology

Xia, Xuhua

# Comparative Genomics

- **Comparative genomics in an evolutionary context**
- **Phylogeny-based comparative approach to study genomic evolution**
- **Illustrated with many examples**

This book provides an evolutionary conceptual framework for comparative genomics, with the ultimate objective of understanding the loss and gain of genes during evolution, the interactions among gene products, and the relationship between genotype, phenotype and the environment. The many examples in the book have been carefully chosen from primary research literature based on two criteria: their biological insight and their pedagogical merit. The phylogeny-based comparative methods, involving both continuous and discrete variables, often represent a stumbling block for many students entering the field of comparative genomics. They are numerically illustrated and explained in great detail. The book is intended for researchers new to the field, i.e., advanced undergraduate students, postgraduates and postdoctoral fellows, although professional researchers who are not in the area of comparative genomics will also find the book informative.

**Order online at [springer.com/booksellers](http://springer.com/booksellers)****Springer Nature Customer Service Center LLC**

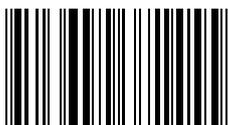
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

[customerservice@springernature.com](mailto:customerservice@springernature.com)

ISBN 978-3-642-37145-5 / BIC: PSAJ / SPRINGER NATURE: SCL21001

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**