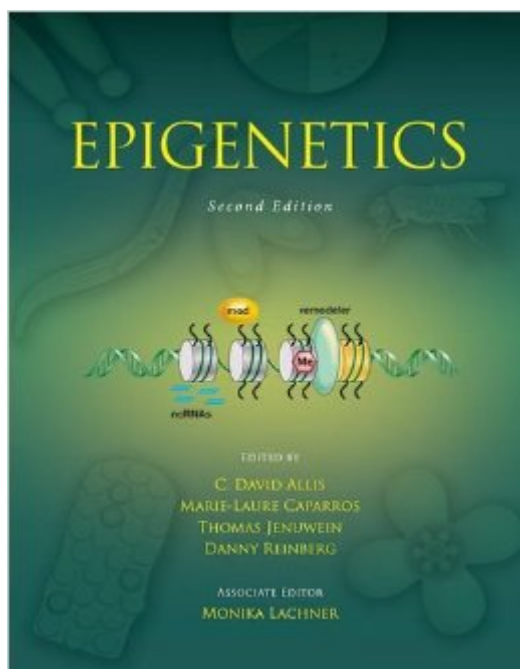


The book was found

Epigenetics, Second Edition



Synopsis

In many biological processes the regulation of gene expression involves epigenetic mechanisms. In this new edition of *Epigenetics*, 36 chapters written by experts in the field introduce and explain epigenetic effects from many perspectives. These include the varied molecular mechanisms underpinning epigenetic regulation, discussion of cellular processes that rely on this kind of regulation, and surveys of model organisms in which epigenetic effects have been most studied. The original chapters have all been rewritten and brand new chapters cover topics such as the structure, function, and dynamics of histone-modifying enzymes and histone-interacting proteins. Other chapters address chromatin remodeling, DNA methylation, siRNAs, and gene silencing; X-chromosome inactivation, dosage compensation, and imprinting; and epigenetics in microbes, plants, insects, and mammals. How epigenetic mechanisms act in cell division and cell type specification, and how errors in these pathways contribute to cancer and other human diseases are also considered, along with the importance of epigenetics for induced pluripotency and reprogramming. In addition, new chapters describe the involvement of epigenetic processes in epigenetic inheritance, neuronal development, metabolism and signaling, responses to the environment, and long-range chromatin interactions. A series of short essays highlight important recent discoveries. All the chapters provide conceptual illustrations that help readers understand epigenetic control. The book is thus a benchmark text for advanced undergraduate and graduate courses on gene regulation, as well as an essential resource for scientists interested in this rapidly moving field.

Book Information

Hardcover: 984 pages

Publisher: Cold Spring Harbor Laboratory Press; 2 edition (February 28, 2015)

Language: English

ISBN-10: 1936113597

ISBN-13: 978-1936113590

Product Dimensions: 11.1 x 1.8 x 8.9 inches

Shipping Weight: 6.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (4 customer reviews)

Best Sellers Rank: #203,151 in Books (See Top 100 in Books) #49 in [Books > Textbooks >](#)

[Medicine & Health Sciences > Medicine > Basic Sciences > Genetics](#) #137 in [Books > Science & Math > Biological Sciences > Biology > Molecular Biology](#) #214 in [Books > Engineering &](#)

Customer Reviews

Once in a while a scientific book comes along that sets the bar high for anyone to follow, an instant classic. "Epigenetics" is superbly organized into 36 chapters, most with a summary, overview and conclusions. This well organized 984 page second edition is what scientific books should be...easy to read for anyone. Each chapter is broken down into sections with the title of each section expressing an idea or concept. I have not read any books by CSH press before, but I surely will look for them in the future. Needless to say that this book is by far the most advanced resource on this subject today.

Epigenetics second edition it's a very well structured book. It's excellent for undergraduated students intrested in this subject.

Wonderful book.

Outstanding

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

Epigenetics, Second Edition Essential SNMP, Second Edition 2nd (second) Edition by Mauro, Douglas, Schmidt, Kevin published by O'Reilly Media (2005) Grammar of the Shot, Motion Picture and Video Lighting, and Cinematography Bundle: Grammar of the Shot, Second Edition 2nd (second) Edition by Bowen, Christopher J., Thompson, Roy published by Focal Press (2009) Crucial Accountability: Tools for Resolving Violated Expectations, Broken Commitments, and Bad Behavior, Second Edition: Tools for Resolving Violated Expectations, ... and Bad Behavior, Second Edition AUDIO Dual Language Development & Disorders: A Handbook on Bilingualism & Second Language Learning, Second Edition (CLI) A Second Look at the Second Coming (Sorting Through the Speculations) MCAD/MCSD Self-Paced Training Kit: Developing Windows®-Based Applications with Microsoft® Visual Basic® .NET and Microsoft Visual C#® .NET, Second Ed: ... C#(r) .Net, Second Ed (Pro-Certification) What Your Second Grader Needs to Know (Revised and Updated): Fundamentals of a Good Second-Grade Education (Core Knowledge Series) Learning the Korn Shell (2nd Edition) 2nd (second) Edition by Robbins, Arnold, Rosenblatt, Bill (2002) iOS Animations by Tutorials Second Edition: Updated for Swift 2.2: iOS 9 and Swift 2.2 Edition Testing Computer Software, 2nd Edition by Kaner, Cem, Falk, Jack, Nguyen, Hung Q. 2nd

(second) edition [Paperback(1999)] Murach's Java Servlets and JSP, 2nd Edition by Andrea Steelman, Joel Murach 2nd (second) edition [Paperback(2008)] Homebrewer's Companion Second Edition: The Complete Joy of Homebrewing, Master's Edition Dr. Patrick Walsh's Guide to Surviving Prostate Cancer, Second Edition, Special Sales Edition Investment Valuation: Tools and Techniques for Determining the Value of Any Asset, Second Edition, University Edition Quality Function Deployment and Six Sigma, Second Edition: A QFD Handbook (2nd Edition) Principles of Corporate Finance, Second Canadian Edition (2nd Edition) Webster's Spanish-English Dictionary for Students, Second Edition Hotel Design, Planning, and Development (Second Edition) The Pantheon: Design, Meaning, and Progeny, With a New Foreword by John Pinto, Second Edition

[Dmca](#)