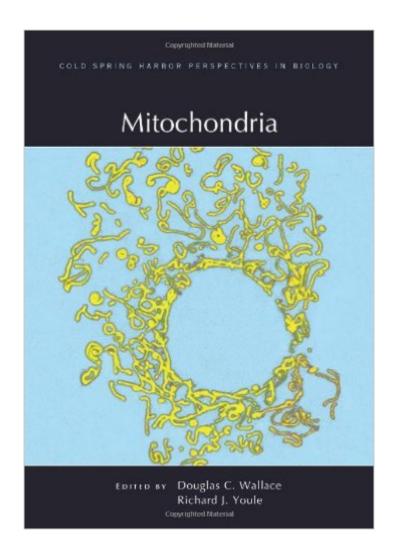
## The book was found

## Mitochondria (Cold Spring Harbor Perspectives In Biology)





## **Synopsis**

Mitochondria are subcellular organelles that function as "power plantsÅ" for the cell, generating energy in the form of ATP from glucose, oxygen, and other molecules. Thought to have arisen about 2 billion years ago when an aerobic bacterium invaded the primitive eukaryotic cell, they have their own DNA, undergo fission and fusion independently, and play an important role in programmed cell death. Written and edited by experts in the field, this collection from Cold Spring Harbor Perspectives in Biology discusses the evolution of mitochondria, their functions in cells, and the numerous diseases in which mitochondrial dysfunction is implicated. The contributors also examine mitochondrial biogenesis, the molecular mechanisms underlying fission and fusion, how proteins are imported from the cytoplasm, and the organization of the mitochondrial DNA. This book includes chapters covering the involvement of mitochondria in Parkinson's disease, encephalopathies, tumorigenesis, muscular dystrophy, and other diseases, as well as aging. It is thus a vital reference for all cell and molecular biologists, as well as researchers working on muscle and neurodegenerative diseases, the role of metabolism in aging, and cancer.

## **Book Information**

Series: Cold Spring Harbor Perspectives in Biology

Hardcover: 270 pages

Publisher: Cold Spring Harbor Laboratory Press; 1 edition (November 15, 2013)

Language: English

ISBN-10: 193611335X

ISBN-13: 978-1936113354

Product Dimensions: 10.3 x 0.7 x 7.2 inches

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

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,462,672 in Books (See Top 100 in Books) #541 in Books > Medical Books

> Basic Sciences > Cell Biology #1086 in Books > Science & Math > Biological Sciences >

Biology > Molecular Biology #1366 in Books > Medical Books > Basic Sciences > Microbiology

Download to continue reading...

Mitochondria (Cold Spring Harbor Perspectives in Biology) Biology: The Ultimate Self Teaching
Guide - Introduction to the Wonderful World of Biology - 3rd Edition (Biology, Biology Guide, Biology
For Beginners, Biology For Dummies, Biology Books) Vegan Mastery Cookbook: Simple
Vietnamese Spring Roll Recipes to Cook at Home (International Vegan Cookbook Series, Vegan

Spring Rolls, Vietnamese Spring ... Vegan Recipes, How to Make Spring Rolls) Parkinson's Disease (Cold Spring Harbor Perspectives in Medicine) Murder's a Witch: A Beechwood Harbor Magic Mystery (Beechwood Harbor Magic Mysteries Book 1) Home Remedies for Ulcers (ulcer, stomach ulcer, peptic ulcer, ulcer symptoms, stomach ulcer symptoms, ulcer treatment, mouth ulcer, mouth ulcers, cold sore, cold sore remedies, cold sores) Life - The Epic Story of Our Mitochondria: How the Original Probiotic Dictates Your Health, Illness, Ageing, and Even Life Itself Mitochondria 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) Fall Bulbs For Spring Flowers: Tulips, Daffodils, Amaryllis & 14 Other Bulbs To Plant For A Blooming Spring Garden... Garden Book The Fires of Spring: A Post-Arab Spring Journey Through the Turbulent New Middle East - Turkey, Iraq, Qatar, Jordan, Egypt, and Tunisia The Witches' Almanac, Issue 35 Spring 2016 - Spring 2017: Air: The Breath of Life Cold Night Warm Belly: 35 Chicken, Beef, and Pork Slow Cooker Recipes For the Meat Lover (Cold Night Warm Belly Slow Cooker Recipes) Cold Regions Engineering: Proceedings of the Sixth International Specialty Conference Hosted by the Us Army Cold Regions Research and Engineering LA Allende's Chile and the Inter-American Cold War (The New Cold War History) U.S. Intervention in British Guiana: A Cold War Story (The New Cold War History) U.S. Intervention in British Guiana: A Cold War Story (New Cold War History) Roman: A Cold Fury Hockey Novel (Carolina Cold Fury Hockey) Max: A Cold Fury Hockey Novel (Carolina Cold Fury Hockey)

**Dmca**