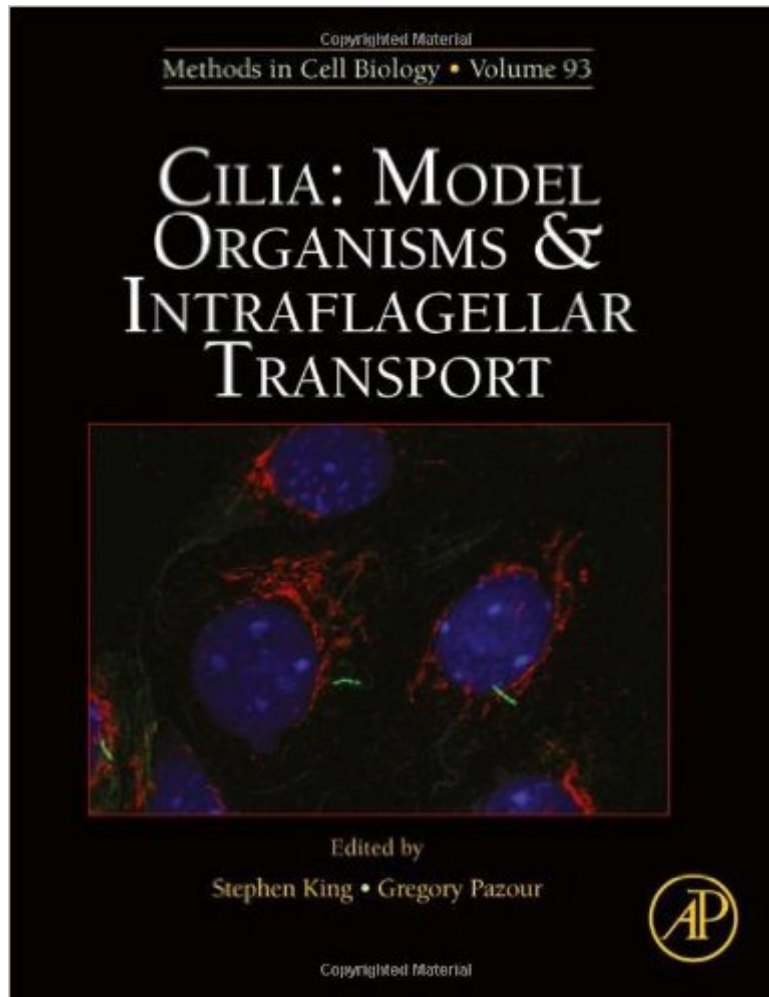


The book was found

Cilia: Model Organisms And Intraflagellar Transport, Volume 93 (Methods In Cell Biology)



Synopsis

Cilia are highly conserved organelles that serve motile functions, sensory functions, or both. These organelles power cell movement, generate fluid flow in various organs, act as sensors of the extracellular environment and have been modified for various specialized tasks such as light reception and smell. Defects in these ubiquitous organelles lead to a broad array of human genetic disorders that range from polycystic kidney disease, retinal degeneration, epilepsy and infertility to developmental defects such as situs inversus and polydactyly. This volume is the third in a three-part series on cilia that focuses on the use of model organisms to gain insight into ciliary function and on the process of intraflagellar transport that is essential for the assembly and maintenance of ciliary structures. * Includes both classic and state-of-the-art methods readily adaptable across model systems, and designed to last the test of time * Covers forward and reverse genetic analysis of IFT and biochemical methods to define the role of IFT components * Methods presented cover molecular, genetic, and biochemical approaches to ciliary function in model organisms

Book Information

Series: Methods in Cell Biology (Book 93)

Hardcover: 416 pages

Publisher: Academic Press; 1 edition (December 7, 2009)

Language: English

ISBN-10: 0123813778

ISBN-13: 978-0123813770

Product Dimensions: 7.4 x 0.9 x 9.3 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #837,087 in Books (See Top 100 in Books) #138 in Books > Science & Math

> Biological Sciences > Biophysics #194 in Books > Science & Math > Biological Sciences >

Biology > Developmental Biology #244 in Books > Textbooks > Medicine & Health Sciences >

Medicine > Basic Sciences > Microbiology

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

Cilia: Model Organisms and Intraflagellar Transport, Volume 93 (Methods in Cell Biology) The Biology of Reefs and Reef Organisms ASTNA Patient Transport: Principles and Practice, 4e (Air & Surface Patient Transport: Principles and Practice) Insider Secrets From A Model Agent: How To

Become A Successful Model (Modeling, Modelling, Model Agency) Making Cell Groups Work:
Navigating the Transformation to a Cell-Based Church A Sea of Glass: Searching for the Blaschkas'
Fragile Legacy in an Ocean at Risk (Organisms and Environments) Forensic Microscopy for
Skeletal Tissues: Methods and Protocols (Methods in Molecular Biology) Histology: A Text and
Atlas: With Correlated Cell and Molecular Biology Histology: A Text and Atlas, with Correlated Cell
and Molecular Biology, 6th Edition Histology: A Text and Atlas: With Correlated Cell and Molecular
Biology (Histology (Ross)) The Neuron: Cell and Molecular Biology Oral Wound Healing: Cell
Biology and Clinical Management Cell and Molecular Biology (Lippincott Illustrated Reviews Series)
BRS Cell Biology and Histology (Board Review Series) Physical Biology of the Cell Basic Concepts
in Cell Biology: A Student's Survival Guide Principles of Computational Cell Biology Molecular
Biology of the Cell Handbook of Freshwater Fishery Biology, Volume 2: Life History Data on
centrarchid Fishes of the United States and Canada (Handbook of Freshwater Fishery Biology)
Johns Hopkins Nursing Evidence Based Practice Model and Guidelines (Second Edition) (Dearholt,
John Hopkins Nursing Evidence-Based Practice Model and Guidelines (previous)

[Dmca](#)