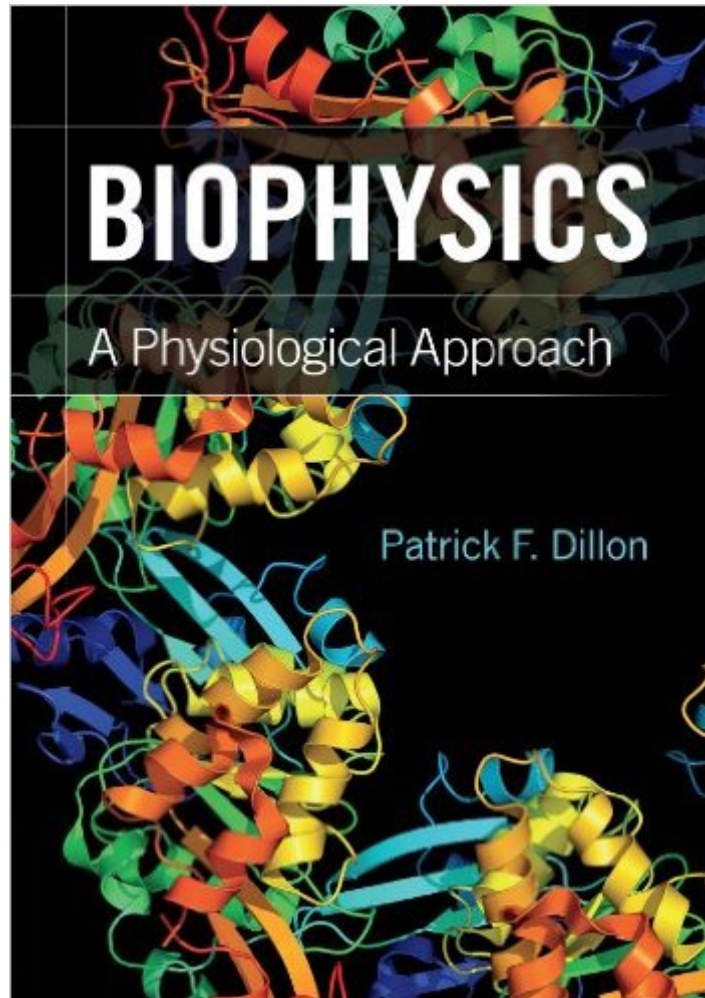


The book was found

# Biophysics: A Physiological Approach



## Synopsis

Specifically tailored to life science students, this textbook explains quantitative aspects of human biophysics with examples drawn from contemporary physiology, genetics and nanobiology. It outlines important physical ideas, equations and examples at the heart of contemporary physiology, along with the organization necessary to understand that knowledge. The wide range of biophysical topics covered include energetics, bond formation and dissociation, diffusion and directed transport, muscle and connective tissue physics, fluid flow, membrane structure, electrical properties and transport, pharmacokinetics and system dynamics and stability. Enabling students to understand the uses of quantitation in modern biology, equations are presented in the context of their application, rather than derivation. They are each directed toward the understanding of a biological principle, with a particular emphasis on human biology. Supplementary resources, including a range of test questions, are available at [www.cambridge.org/9781107001442](http://www.cambridge.org/9781107001442).

## Book Information

Paperback: 314 pages

Publisher: Cambridge University Press; 1 edition (February 27, 2012)

Language: English

ISBN-10: 0521172160

ISBN-13: 978-0521172165

Product Dimensions: 6.8 x 0.6 x 9.7 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #1,058,771 in Books (See Top 100 in Books) #206 in [Books > Science & Math > Biological Sciences > Biophysics](#) #777 in [Books > Science & Math > Biological Sciences > Biology > Molecular Biology](#) #1308 in [Books > Textbooks > Science & Mathematics > Biology & Life Sciences > Anatomy & Physiology](#)

## Customer Reviews

Great book!

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

Biophysics: A Physiological Approach Spider Speculations: A Physics and Biophysics of Storytelling  
Metamaterials and Plasmonics: Fundamentals, Modelling, Applications (NATO Science for Peace  
and Security Series B: Physics and Biophysics) Molecular Modeling at the Atomic Scale: Methods

and Applications in Quantitative Biology (Series in Computational Biophysics) Biophysics of Electron Transfer and Molecular Bioelectronics (Electronics and Biotechnology Advanced (Elba) Forum Series) Electrostatic Effects in Soft Matter and Biophysics: Proceedings of the NATO Advanced Research Workshop on Electrostatic Effects in Soft Matter and ... 1-13 October 2000 (Nato Science Series II:) Spectroscopic Techniques in Biophysics (Veneto Institute of Sciences, Letters and Arts Series, 4) Cellular Biophysics, Vol. 2: Electrical Properties Cellular Biophysics, Vol. 1: Transport An Introduction to Environmental Biophysics (Modern Acoustics and Signal) Discovering Biological Psychology (PSY 381 Physiological Psychology) Cognitive Neuroscience (PSY 381 Physiological Psychology) Biochemical, Physiological, and Molecular Aspects of Human Nutrition Physiological Systems in Insects, Third Edition Tissue Type Plasminogen Activity, Volume I (T-Pa : Physiological and Clinical Aspects) Physiological Pharmaceutics (Taylor & Francis Series in Pharmaceutical Sciences) Physiological Engineering Aspects of Penicillium Chrysogenum The Physiological Basis of Veterinary Clinical Pharmacology Textbook of Veterinary Physiological Chemistry, Third Edition Biophysical and Physiological Effects of Solar Radiation on Human Skin: RSC (Comprehensive Series in Photochemical & Photobiological Sciences)

[Dmca](#)