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Microbial Biofilms

Editors: Mahmoud Ghannoum, Case Western Reserve University School of Medicine
George A. O'Toole, Dartmouth Medical School

Combining cutting-edge research with valuable historical perspective, ***Microbial Biofilms*** will be of key importance to environmental microbiologists, medical and clinical microbiologists, geologists, biomedical engineers, biotechnologists, and nonexperts interested in learning about biofilms, as well as graduate students in biofilm biology courses. Written by field experts, the scope of this new volume covers broad topics, including biofilm development, antibiotic resistance, architecture, and the roles these communities play in disease and industry, and incorporates both bacteria and fungi. The book is introduced by a chapter on the history of biofilm biology, written by one of the pioneers in the field, and concludes with ruminations on future directions.

The Cell: a Molecular Approach, Third Edition

Authors: Geoffrey M. Cooper, Boston University
Robert E. Hausman, Boston University

Designed for use in introductory cell biology courses, the new third edition of ***The Cell*** presents current, comprehensive science in a readable and cohesive text that students can master in the course of one semester. Retaining the organization, themes, and special features of earlier editions, material is updated to reflect scientific advances since publication of the second edition, including progress in genome sequencing, advances in understanding transcriptional regulation and mRNA processing, use of DNA microarrays in global studies of gene expression and cancer diagnostics, advances in nuclear transport and protein trafficking, progress in understanding the regulation of programmed cell death, potential medical applications of embryonic cells, and development of oncogene-targeted treatments.

The book can be bundled for purchase with a special edition of ***Molecules, Cell, and Genes***, a CD-ROM keyed to the textbook and combining the essential features of a Study Guide and Problems book.