

Also available from ASM Press

Bacterial Pathogenomics

Editor in Chief: Mark J. Pallen

Editors: Karen E. Nelson, Gail M. Preston

With chapters from more than forty scientists from around the world, this book explains the scientific advances that have resulted from the application of bacterial genome sequencing to the study of how bacterial pathogens have evolved and how these bacteria cause disease. *Bacterial Pathogenomics* will prove indispensable in the library of any bacteriology research group and will act as a key text for anyone studying bacterial genomics or the molecular basis of bacterial infection.

Virulence Mechanisms of Bacterial Pathogens, 4th Edition

Editors: Kim A. Brogden, F. Chris Minion, Nancy Cornick, Thaddeus B. Stanton,

Qijing Zhang, Lisa K. Nolan, and Michael J. Wammemuehler

Bacterial diseases remain a critical issue in public health despite the advent of antibiotics. In this fourth edition, internationally recognized authorities explain the wide variety of mechanisms used by bacterial pathogens to cause disease and then summarize proven strategies for overcoming bacterial virulence mechanisms. Organized into six accessible sections, this unique volume broadly reviews the pathogenesis of bacterial diseases and mechanisms of host-pathogen interactions for non-specialists and advanced students in the fields of bacteriology and immunology.

Cellular Microbiology

Editors: Pascale Cossart, Patrice Boquet, Staffan Normark, and Rino Rappuoli

The second edition of this successful volume considers genomic information and advances in technology in an updated examination of this burgeoning area of important research. This edition offers five new chapters that comprehensively cover bacterial human pathogen genomes; structure and dynamics of the host cell membrane; study of prokaryotic biology using genome-wide approaches; cell biology of virus infection; and use of simple nonvertebrate hosts to model mammalian pathogenesis.

EcoSal Online

***Escherichia coli* and *Salmonella*: Cellular and Molecular Biology**

Board of Executive Editors: August Böck, Roy Curtiss III, James B. Kaper, Frederick C.

Neidhardt, Thomas Nyström, James M. Slach, Catherine L. Squires

EcoSal has been designed to be the comprehensive, coherent archive of the entire corpus of knowledge on the enteric bacterial cell. Unlike its print-edition predecessors, *EcoSal* is continually expanded, updated, and revised. The complete *EcoSal* comprises several hundred modules of information and interpretation with links to cognate sites containing extensive tabular and pictorial presentations, as well as to active databases of primary research information. *EcoSal* continues to grow and develop. It is the essential resource for *E. coli* and *Salmonella*.



AMERICAN
SOCIETY FOR
MICROBIOLOGY

ISBN 978-1-55581-404-5



9 781555 814045