



## Aspergillus

### Molecular Biology and Genomics

Edited by: **M. Machida and K. Gomi**  
c. 250 pp., January 2010

ISBN: 978-1-904455-53-0 \$310 / £159

The most important aspects of *Aspergillus* molecular biology and genomics. In-depth reviews of molecular systematics, bioinformatics, systems biology, transcriptional regulation, genetics, genomics, secondary metabolism, ecology, development, and industrial applications.

## Environmental Molecular Microbiology

Edited by: **Wen-Tso Liu and Janet K. Jansson**  
c. 250 pp., January 2010

ISBN: 978-1-904455-52-3 \$310 / £159

Current technologies and their applications. Includes: microbial diversity, phylogeny, microbial communities, 16S rRNA, metagenomics, metaproteomics, micro-arrays, molecular fingerprinting, soil, water, plants, humans, biofilms.

## Neisseria

### Molecular Mechanisms of Pathogenesis

Edited by: **Caroline Genco and Lee Wetzler**  
c. 300 pp., January 2010

ISBN: 978-1-904455-51-6 \$310 / £150

Leading authorities have contributed chapters on topics such as gene expression, genomics, biofilms, denitrification, adhesion strategies, mechanisms of cellular invasion, innate immunity, complement, apoptosis, acquired immunity, vaccine development, epidemiology and antibiotic resistance.

## Frontiers in Dengue Virus Research

Edited by: **K.A. Hanley and S.C. Weaver**  
c. 330 pp., January 2010

ISBN: 978-1-904455-50-9 \$310 / £150

A timely review and a stimulus for future research. Includes: evolutionary history, epidemiology, translation and processing of the viral polyprotein, viral replication, the role of untranslated regions, pathogenesis, host response, development of animal models, DENV-mosquito interactions, dynamics of transmission, emergence of DENV from its ancestral, sylvatic cycle, vaccines, novel anti-dengue drugs and passive immunotherapy.

## ABC Transporters in Microorganisms

Edited by: **Alicia Ponte-Sucre**  
c. 220 pp., August 2009

ISBN: 978-1-904455-49-3 \$310 / £150

The structure, physiology and evolution of ABC transporters and their special characteristics in bacteria, yeast, trypanosomes and malaria parasites. The role of ABC transporters in the circumvention of drug resistance.

## Pili and Flagella

### Current Research and Future Trends

Edited by: **Ken Jarrell**  
x + 238 pp., August 2009

ISBN: 978-1-904455-48-6 \$310 / £150

The molecular biology, genetics, structure, assembly and function. Includes biogenesis, structure and function, gene expression, assembly, the flagella motor, posttranslational modifications, lateral flagella, the origin, evolution and applications of flagella, the flagella and pili of Archaea.

## Lab-on-a-Chip Technology

### Biomolecular Separation and Analysis

Edited by: **K. E. Herold and A. Rasooly**  
c. 320 pp., August 2009

ISBN: 978-1-904455-47-9 \$310 / £150

Applications in the biomedical and life sciences: biomolecule separation, electrophoresis, chromatography, protein and cell separation, genetic and transcriptome analysis, PCR, cell viability analysis and microorganism capturing.

## Lab-on-a-Chip Technology

### Fabrication and Microfluidics

Edited by: **K. E. Herold and A. Rasooly**  
c. 420 pp., August 2009

ISBN: 978-1-904455-46-2 \$310 / £150

Theoretical and technical information on current LOC technologies, and the design and development of LOC systems, methods and applications.

## Bacterial Polysaccharides

### Current Research and Future Trends

Edited by: **Matthias Ullrich**  
xii + 358 pp., June 2009

ISBN: 978-1-904455-45-5 \$310 / £150

Experienced and authoritative experts review the most important innovations and their biotechnological applications. An interdisciplinary view that examines the area from molecular biology, genome-, transcriptome- and proteome-wide perspectives, and looks at the ecological aspects and systems biology approaches.

## Microbial Toxins

### Current Research and Future Trends

Edited by: **Thomas Proft**  
viii + 192 pp., May 2009

ISBN: 978-1-904455-44-8 \$310 / £150

The most important recent advances. Topics include: toxins on mobile genetic elements, botulinum neurotoxins, anthrax, subtilase cytotoxin, *Pasteurella multocida* toxin, RTX toxins of vibrios, vacA toxin, staphylococcal immune evasion toxins and fungal ribotoxins. Essential reading for everyone with an interest in microbial toxins and recommended for other scientists with an interest in bioterrorism, microbial pathogenesis and genomics.

## Acanthamoeba

### Biology and Pathogenesis

Author: **Naveed Khan**  
viii + 290 pp., February 2009

ISBN: 978-1-904455-43-1 \$310 / £150

The first comprehensive review of *Acanthamoeba* research to be published. Everything that is known about *Acanthamoeba* is critically reviewed and divided into easy-to-follow sections. The definitive guide to current research on this increasingly important organism.

## Bacterial Secreted Proteins

### Secretory Mechanisms and Role in Pathogenesis

Edited by: **Karl Wooldridge**  
xii + 512 pp., April 2009

ISBN: 978-1-904455-42-4 \$310 / £150

Extensive publication on bacterial secreted proteins, secretory systems and their vital role in bacterial pathogenesis. Immense value to all microbiologists, molecular biologists, public health scientists and other researchers and professionals.

## Lactobacillus Molecular Biology

### From Genomics to Probiotics

Edited by: **Asa Ljungh and Torkel Wadström**  
x + 206 pp., January 2009

ISBN: 978-1-904455-41-7 \$310 / £150

Includes phylogenetics, taxonomy, comparative genomics, functional genomics, intestinal microflora, surface proteins, stress responses, immune system, probiotics, anti-cancer potential, and much more.

## Other Books

- *Mycobacterium*
- Real-Time PCR
- Clostridia
- Plant Pathogenic Bacteria
- Microbial Production of Biopolymers
- Plasmids
- *Pasteurellaceae*
- *Vibrio cholerae*
- Pathogenic Fungi
- *Helicobacter pylori*
- Corynebacteria
- *Staphylococcus*: Molecular Genetics
- *Leishmania*: After The Genome
- Archaea
- *Legionella*: Molecular Microbiology
- RNA & Regulation of Gene Expression
- Molecular Oral Microbiology
- Epigenetics