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Aspergillus fumigatus and Aspergillosis

Editors: Jean-Paul Latgé and William J. Steinbach

This volume assembles chapters from a large and international contingent of experts in the field to explore every major aspect of *A. fumigatus* and how it kills so many patients. The book offers the latest insights into the fundamental biology and pathogenesis of *A. fumigatus* and how it establishes disease, as well as the newest strategies for characterizing, diagnosing, and treating its spectrum of clinical infection.

Sex in Fungi: Molecular Determination and Evolutionary Implications

Editors: Joseph Heitman, James W. Kronstad, John W. Taylor, and Lorna A. Casselton

Drawing on the great advances made over the past 10 years, this volume provides illuminating insights into the molecular details of cell-type specification, mating-type switching, pheromone perception and signaling, and cellular and nuclear fusion. The tremendous impact of comparative genomics on the analysis of mating is evident in many of the chapters in this book. *Sex in Fungi* not only encompasses the current state of knowledge, but also serves as an invaluable resource that will guide new research on these systems and organisms.

Molecular Principles of Fungal Pathogenesis

Editors: Joseph Heitman, Scott G. Filler, John E. Edwards, Jr., and Aaron P. Mitchell

This volume presents readers with an up-to-date compendium of research in the field of medical mycology. It measures the impact of genome projects, genetics, and molecular biology on the understanding of a diverse group of pathogenic fungi and explores the potential impact of vaccines and new therapeutic approaches to treatment. *Molecular Principles of Fungal Pathogenesis* will serve as a valuable resource for students, fellows, instructors, researchers, specialists, clinicians, and anyone interested in the general field of microbial pathogenesis.



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