

Medical Mycology Handbook

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Specific requirements are detailed in the Graduate Student Handbook. Faculty and research interests ... mechanisms of pathogenicity, medical mycology, microbial communities, molecular genetics, ...

Graduate Curricula

1988 The Post-Standard Woman of Achievement for Science 1990 SUNY Chancellor's Award for Excellence in Teaching 1990 The W. H. Weston Award for Excellence in the Teaching of Mycology from Mycological ...

Department of Environmental and Forest Biology

Cytology (nasal swab, bronchoalveolar lavage, fine-needle aspiration, effusion determination) and bacteriology / mycology are important for diagnosis, treatment and also prognosis. Histopathological ...

Approach to Rabbit Respiratory Disease

The LabRoots Microbiology & Immunology 2017 Virtual Conference is now On-Demand! Join us in bringing the Microbiology research community together online in discovering new concepts, tools and ...

Microbiology & Immunology 2017

medical mycology, and virology. Working within a well-defined curriculum and employing state-of-the-art research facilities, the faculty prepares a small, select group of approximately 25 graduate ...

Graduate Program in Microbiology (M.S. and Ph.D.)

Two 80 minute lectures per week. In-depth examination of hazardous wastes from source to disposal and chemical fate, covers medical, nuclear, industrial sources and reduction, prevention, containment, ...

ESF Course Descriptions

The Drexel University Physician Assistant program will maintain excellence in educating competent physician assistant students, emphasizing integrity, respect for diversity, teamwork, patient advocacy ...

Master of Health Science—Physician Assistant (PA)

FHS professional certification requires considerable academic training including courses in fisheries science, finfish and/or shellfish health, bacteriology, parasitology, virology, mycology, ...

Aquatic Medicine Training for Non-Veterinarians—Diagnostic or Research Training?

See more information about Western's Medical Sciences option offered by the Department of Biological Sciences. Law schools do not require any particular undergraduate major. Students are encouraged to ...

Pre-Professional and Dual Programs

Specific requirements are detailed in the Graduate Student Handbook. Faculty and research interests ... mechanisms of pathogenicity, medical mycology, microbial communities, molecular genetics, ...

Graduate Curricula

The 2nd Annual Microbiology & Immunology 2016 Virtual Conference is now On Demand! This premier venue discusses the latest research on microscopic organisms and their interaction with the human body.

Microbiology & Immunology

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Laboratory Handbook of Medical Mycology summarizes the concepts dealing with the laboratory aspects of medical mycology. The publication first offers information on basic terminology and classification, laboratory safety, and clinical specimens. Discussions focus on tissue, abscess, blood, bone marrow, and urine specimens, biological hazards, disinfection and sterilization, grounding of electrical equipment, waste disposal, asexual and sexual reproduction, and vegetative growth. The text then takes a look at mold and yeast identification, including fermentation, temperature studies, asci and ascospores, zygomycetes, cycloheximide resistance, and sporulation and sterile isolates. The manuscript ponders on susceptibility testing and bioassay procedures, culture collection, and quality control. Topics include proficiency evaluations, media and equipment control, depositing unusual isolates in major culture collections, reconstituting lyophilized cultures, bioassay to determine drug levels in body fluids, and in vitro susceptibility testing. The publication is a dependable source of data for laboratory technologists, microbiologists, and mycologists engaged in safely isolating and accurately identifying fungi of medical importance.

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Mycotic diseases are gaining importance because of the increase in opportunistic fungal infections in patients whose immune systems are compromised. The identification of fungi isolated from clinical material has posed a variety of problems to many laboratories because of lack of expertise and experience, especially in the identification of recently emerged rare fungi that had not been previously reported. A Guide to the Study of Basic Medical Mycology offers an overview of the basic characteristics of fungi frequently isolated from clinical specimens. This comprehensive guide, developed by authors Kee Peng Ng, Tuck Soon Soo-Hoo, and Shiang Ling Na from the Department of Medical Microbiology, University Malaya Medical Centre, Malaysia, details the macro- and microscopic features of each fungus through graphics and illustrations. Including specimens not often found in all teaching modules, A Guide to the Study of Basic Medical Mycology serves to help medical students identify and learn to deal with clinically important fungi and fungal pathogens.

Contributors cover current knowledge relevant to the mycotic diseases of humans, fish, and shellfish. Also covered is the use of molds to biologically control insects that yearly cause enormous crop losses and a consequent drain in the economy of the nations of the world. The problems posed by fungi

The Handbook of Fungal Biotechnology offers the newest developments from the frontiers of fungal biochemical and molecular processes and industrial and semi-industrial applications of fungi. This second edition highlights the need for the integration of a number of scientific disciplines and technologies in modern fungal biotechnology and reigns as

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The Oxford Textbook of Medical Mycology is a comprehensive reference text which brings together the science and medicine of human fungal disease. Written by a leading group of international authors to bring a global expertise, it is divided into sections that deal with the principles of mycology, the organisms, a systems based approach to management, fungal disease in specific patient groups, diagnosis, and treatment. The detailed clinical chapters take account of recent international guidelines on the management of fungal disease. With chapters covering recent developments in taxonomy, fungal genetics and other 'omics', epidemiology, pathogenesis, and immunology, this textbook is well suited to aid both scientists and clinicians. The extensive illustrations, tables, and in-depth coverage of topics, including discussion of the non-infective aspects of allergic and toxin mediated fungal disease, are designed to aid the understanding of mechanisms and pathology, and extend the usual approach to fungal disease. This textbook is essential reading for microbiologists, research scientists, infectious diseases clinicians, respiratory physicians, and those managing immunocompromised patients. Part of the Oxford Textbook in Infectious Disease and Microbiology series, it is also a useful companion text for students and trainees looking to supplement mycology courses and microbiology training.

The identification of medically important fungi has been an important area of study that warrants further extensive research. The use of traditional and molecular methods of identification, provides new insights into differentiation of species and ultimately the line of treatment can be determined. This book incorporates a diverse group of medically important fungi and diseases, including common dermatophytes, onychomycosis, Coccidiomycosis, Paracoccidioidomycosis, Mycotic keratitis, Sporotrichosis, Histoplasmosis and determination of identity of medically important fungi by using modern techniques such as PCH and the use of MALDI-TOF: as a rapid and new approach in fungal diagnosis and differentiation.

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