Special Issue

The Use of Insect Organisms to Study Human Pathogenic Fungi

Message from the Guest Editors

Pathogenic fungi pose a threat to human health and life, especially immunocompromised patients. Therefore, a number of studies are carried out to understand host–fungal pathogen interactions, elucidate the course of infection, and determine the virulence factors of fungi. The search for novel antifungal compounds is also an important area. Insects such as Galleria mellonella (Lepidoptera), Drosophila melanogaster (Diptera), Bombyx mori (Lepidoptera) have been widely used as alternative non-mammalian models for the study of fungal virulence and pathogenesis.

Research with the use of insect model organisms allows observing the development of infection in a living organism and determining the lethal doses of a given pathogen. Moreover, it enables testing the efficacy of conventional and novel antifungal drugs and determination of their dosage.

We would like to invite colleagues who study insect host–fungal pathogen interactions and virulence factors of fungi that are pathogenic for humans, as well as testing new antimycotics on insect model organisms, to submit their manuscripts for this Special Issue in the form of original research and reviews.

Guest Editors

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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

Editor-in-Chief

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