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Fungal Pathogenesis in Humans: The Growing Threat

Guest Editor:

Dr. Fernando Leal

Instituto de Biología Funcional y
Genómica/Dpto. Microbiología y
Genética Consejo Superior de
Investigaciones Científicas
(CSIC)/Universidad de
Salamanca, 2, 37007 Salamanca,
Spain

Deadline for manuscript
submissions:

closed (30 June 2018)

Message from the Guest Editor

Dear Colleagues,

Cancer survival rates and successful organ transplantation in patients continues to increase due to improvements in early diagnosis and treatments. Since immuno-suppressive therapies are frequently used, the mortality rate due to secondary infections has become an ever-increasing problem. In recent years, a considerable effort has been devoted to investigating the role of many virulence traits in the pathogenic outcome of fungal infections. New virulence factors have been reported and their molecular mechanisms of action are being thoroughly investigated. The recent application of gene-editing technologies has opened a whole new window to the discovery of new fungal virulence factors. Accurate fungal genotyping, Next Generation Sequencing and RNAseq approaches will undoubtedly provide new clues to interpret the plethora of molecular interactions controlling these complex systems. Unraveling their intimate regulatory details will provide insights for a more target-focused search or a rational design of more specific antifungal agents.



mdpi.com/si/10401

Special Issue



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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

Department of Pathology, The
University of Alabama at
Birmingham, 1825 University
Blvd, SHEL 814, Birmingham, AL
35294-2182, USA

Message from the Editor-in-Chief

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Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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