Special Issue

Stress Signaling in Pathogenic Fungi

Message from the Guest Editor

Fungi occupy diverse niches and frequently encounter challenges from host defenses, resident microflora, and fluctuations in environmental pH and osmolarity. Signaling pathways are critical for survival and adaptation. There is extensive information available regarding the molecular mechanisms underlying stress signaling pathways in benign yeasts. However, a comprehensive analysis of signaling pathways is still needed in pathogenic fungi. The aim of this special issue is to better understand fungal stress signaling pathways with an emphasis on human pathogenic species. Manuscripts covering all aspects of stress signaling are welcome. Topics include, but are not limited to, functional divergence of conserved regulatory proteins (circuitry rewiring), the transcriptional networks underlying stress response signaling, and the functional activities of downstream stress-response effector genes. I invite you to submit a research paper, review article, or short communication for this special issue.

Guest Editor

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Deadline for manuscript submissions

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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