Special Issue

Yeast Genetics and Proteomics

Message from the Guest Editors

Yeast cells are easy to manipulate, divide rapidly, and are very cost-effective. Furthermore, the high conservation of numerous cellular pathways has made this unicellular eukaryote an optimal model organism. The genetic manipulability of yeast has been the driving force behind these scientific discoveries, allowing researchers to easily introduce, mutate, or delete genes. Even if recent CRISPR technologies have revolutionized the genetic manipulation of mammalian cells, yeast genetics remains indispensable in unraveling complex genetic interactions and understanding redundant cellular pathways. In tandem with genetics, proteomics has emerged as a powerful tool in elucidating protein function and regulation. In the context of yeast research, proteomics has provided deeper insights into cellular processes and signal transduction pathways that have subsequently been shown to be conserved in higher organisms. Therefore, as the of this Special Issue, we invite you to submit research articles, reviews, and minireviews that explore all aspects of yeast genetics and proteomics that can further advance our understanding of cellular processes.

Guest Editors

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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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