

Special Issue

Yeast Research in the Post-genomic Era

Message from the Guest Editors

Yeasts research has a long tradition of basic studies which have greatly contributed to unravel the life mechanisms of the cellular eucaryotic cell. In the 1990s genomics studies first appeared. If *S. cerevisiae* was the first eucaryotic genome to be sequenced and functionally analyzed, soon many yeast genomes were being investigated. This opened the door to the detailed studies of many different yeast genomes and to the field of comparative genomics and evolutionary studies. Yeast provided, for the first time, the ability to understand and unravel the causal relationship between networks of genes and phenotype using forward and reverse genetics, becoming the cradle and stage for modern systems and quantitative biology. Our aim in this Special Issue is to give to the scientific community some insight into the new avenues which are now processed in this post-genomic era. Evolutionary studies, synthetic biology, population genomics, and biotechnologies have appropriated the new tools and concepts for new research avenues to take place.

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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