

Special Issue

Application Research of Bioinformatics in Human Diseases

Message from the Guest Editor

In the past decade, an unprecedented wealth of omics data has been produced by next-generation sequencing technologies and advanced Artificial Intelligence methods. The characterization and quantification of human diseases at the molecular level has never been so detailed. Omics data bring a remarkable opportunity for scientists to understand the disease mechanism comprehensively. The application of bioinformatics in the medical field has deepened the functional understanding of human disease mechanisms, improved the accuracy of human disease diagnosis and prognosis, and led to the discovery of novel drug targets. The contribution of bioinformatics to the medical field makes it possible to provide tailored treatment to each patient instead of treating them as an average, which is the core value of precision medicine. The goal of this Special Issue of Life is for omics data to be manipulated appropriately, and for physicians and researchers to have a rule of thumb to follow. We encourage contributions to the development and applications of bioinformatics and statistical methods in the context of human diseases.

Guest Editor

Dr. Qian Du

Department of Biological Science, University of Nebraska Lincoln,
Lincoln, NE 68588, USA

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
life@mdpi.com

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona
Institute of Science and Technology, 08028 Barcelona, Spain

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