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Big Biological Data for Personalized Medicine

Guest Editor:

Dr. Wanwei Zhang

Department of Microbiology and Immunology, Vagelos College of Physicians and Surgeons, Columbia University, New York, NY 10032, USA

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Message from the Guest Editor

Advances in high-throughput technologies and data-mining techniques have brought us into the “big biological data” era, a perfect time to develop personalized medicine for complex diseases, including cancer. With the help of multi-omics single-cell-level studies, more and more disease mechanisms and biomarkers are being revealed, which greatly improves the development of personalized medicine. To keep up with and contribute to this trend, we are collecting profound works in areas including, but not limited to, next- and third-generation sequencing data analysis, mass spectrometry analysis, single-cell data analysis, clinical (imaging) data analysis, data-driven biomarker discovery, systems/network biomarker discovery, biological/biomedical database development and bioinformatics tool development. With this collection, we hope to connect data scientists, biologists and clinicians to form a collaborative network and provide a platform where people can share resources and contribute most to personalized medicine in the big biological data era.



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Special Issue



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Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

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Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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