



New Challenges in Integrative Biomedical Data Analysis

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The recent tremendous accumulation of biomedical data offers challenges and opportunities to understand biological phenomena and disease. In many cases, however, biomedical phenomena cannot be understood by a single data type. Thus, the development of methods to combine and analyze multiple biomedical data is one of the key challenges in the biomedical domain.

This Special Issue welcomes both review papers and original research works for integrative biomedical data analysis, along with their applications. The topics include (but are not limited to) the following:

- Biomedical discovery using multi-omics data;
- Data analysis based on statistics/machine learning/data mining;
- Pharmacogenomics, drug repositioning, computational drug discovery;
- Radiogenomics;
- Translational medicine;
- High-performance computing;
- Time-course data analysis;
- Data preprocessing and cleaning;
- Meta-analysis in biomedical research;
- Standards for biomedical/clinical/healthcare data.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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