



BioMed Research International

Special Issue on
**Intelligent Informatics in Translational Medicine
2016**

CALL FOR PAPERS

Advances in information technologies are facilitating and accelerating research on molecular biology and medicine. In particular, in the precision-medicine era, the increasing complexity and volume of biological data mean that more sophisticated computational techniques are urgently required. Such methods must be able to support new sensing techniques that are being developed to improve the quality of healthcare and medicine. The use of artificial intelligence, machine learning, and data mining can potentially play a significant role in addressing these important challenges. In 2013, we have published the first special issue with high-quality original research articles. In order to continue this fruitful discussion, we would like to organize this special issue as a series edition for discovering more biological insights into genomics data or any medical big data. This special issue will focus on the challenges and solutions for information processes with an emphasis on forthcoming high throughput technology and systems biomedicine.

The series special issue will provide an opportunity for academic and industry professionals to discuss the latest issues and progress in the area of biomedicine. The special issue will publish high-quality papers which are closely related to the various theories and practical applications in bioinformatics. In addition, we expect that the special issue will be a trigger for further related research and technology improvements in this important subject.

The special issue of this year aims to combine intelligent informatics and bioinformatics on diseases and translation medicine.

Potential topics include, but are not limited to:

- ▶ Translational bioinformatics
- ▶ Cancer genomics and epigenomics
- ▶ PheWAS and GWAS for diseases
- ▶ Medical signal/image processing
- ▶ Computer-assisted surgery
- ▶ Medical/healthcare informatics
- ▶ Big data analysis on medicine

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/bioinformatics/iitm16/>.

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First Round of Reviews

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