



BioMed Research International

Special Issue on
**Systems Biology Approaches to Mining High
Throughput Biological Data**

CALL FOR PAPERS

With advances in high throughput measurement techniques, large-scale biological data have been and will continuously be produced, for example, gene expression data, protein-protein interaction (PPI) data, tandem mass spectra data, micro-RNA expression data, lncRNA expression data, biomolecule-disease association data, and so on. Such data contain insightful information for understanding the mechanism of molecular biological systems and have proved useful in diagnosis, treatment, and drug design for genetically caused diseases or disorders.

We invite authors to contribute original research articles which develop or improve systems biology approaches to mining high throughput biological data to this special issue.

Potential topics include, but are not limited to:

- ▶ Integrating expression data with bionetwork data
- ▶ Essential protein identification
- ▶ Predicting protein complex and functional modules
- ▶ Drug target identifications
- ▶ Biomarker discovery
- ▶ Construction, modelling, and analysis of bionetworks
- ▶ Mining OMICS data (transcriptome, RNA binding, genomic, proteome, and various protein modifications)

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

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Manuscript Due

Friday, 23 January 2015

First Round of Reviews

Friday, 17 April 2015

Publication Date

Friday, 12 June 2015