Call for Papers

Due to rapid progress in high-throughput technologies and in the development of related bioinformatic methods in recent years, biomarker discovery efforts increasingly incorporate next generation sequencing or MS-based profiling of complex biological mixtures such as blood, urine or tissue. Since clinically relevant biomarkers are still lacking for aiding in diagnosis, prognosis or disease screening, the complementary power of modern profiling techniques and emerging bioinformatic tools is utilized for the discovery of new and unexpected biomarkers. Interest in the discovery of novel biomarkers unambiguously originates from their broad range of potential clinical applications and fundamental impact on pharmaceutical industry and the current public health burden.

We invite investigators to contribute original research articles, review articles or short reports that will stimulate the continuing efforts to understand the molecular mechanisms of disease, the development of technologies and computational tools to identify, verify and interpret novel biomarkers, and the evaluation and validation of outcomes.

We are particularly interested in articles describing the clinical application of bioinformatics in the research of biomarker discovery using technologies of biomarker profiling, bioinformatics, biostatistics, computational biology and networks, database, mathematical medicine and biology, meta analysis on clinical trials, and medical informatics.

Potential topics include, but not limited to:

- Development of clinical biomarkers
- Advances in bioinformatics technologies
- Clinical application of omics technology
- Application of bioinformatics in therapies & clinical trials
- Deep sequencing
- Epigenetic mechanisms and RNAs
- Proteomic and metabolic biomarkers
- Targeted diseases (cancer, CVD, diabetes, etc.)
- Biomarkers in clinical drug development
- Theranostics and personalised medicine

Before submission, authors should carefully read over the journal’s Author Guidelines, which are located at http://www.jclinbioinformatics.com/info/instructions. Prospective authors should submit an electronic copy of their complete manuscript through the journal online submission system.

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Series duration

Submission start from the 1st of June 2011