Call for manuscript submission for Special Issue (2019-02) of

Methods and applications in clinical research in the genomic era

Editor: Hui Zhang, Yu Jiang, and Fengyu Zhang

With the increasingly available tools of biotechnology in genomics and other “Omics,” the then U.S. President Obama announced the precision medicine initiative in 2015. The goal of this initiative is to pioneer a new model of biomedical and health research that promises to accelerate biomedical discoveries and translate them into new tools, knowledge, and therapies for clinicians to select which treatments will work best for which patients and for public health professionals to better decide when and how preventative measures should be taken. This may revolutionize the clinical research by collecting bio-specimen for biomarker discovery, but may also provide a challenge to study design and data analysis.

The topics focus on but not limited to the followings:

1. Innovative study design for clinical research with biomarker discovery
2. Novel analysis of molecular data generated from clinical trials
3. Integrating multiple biomarkers for prediction of clinical outcome
4. Power calculation and sample size determination for a study of biomarkers that is based on clinical trials.
5. Novel application of a statistical model to clinical and biomedical data

We welcome original research papers, reviews and commentary articles on previously published papers in the literature. There is no article-processing charge (APC) for the papers submitted to this Special Issue.

The submission of the manuscript can be divided into two steps, the first step is to submit a title and abstract (no more than 400 words), and then a full manuscript can be submitted later, through manuscript submission at https://www.gcatresearch.com/manuscript-submission/.

Submission Deadlines:
April 30, 2019, for abstract
July 30, 2019, for full paper