



Call for manuscript submission for *Special Issue of*

Methods and Applications in Clinical Research in the Genomic Era

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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 decide better 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. We call for manuscript submission focusing on but not limited to the following topics.

- Innovative study design for clinical research with biomarker discovery
- A novel analysis of molecular data generated from clinical trials
- Integrating multiple biomarkers for prediction of clinical outcome
- Power calculation and sample size determination for a study of biomarkers that are based on clinical trials.
- Novel application of a statistical model to clinical and biomedical data

We welcome original research papers, reviews, perspectives, and commentary articles on previously published papers in the literature. Manuscripts can be submitted online at <https://www.gcatresearch.com/manuscript-submission/first-submission/>.