



International Journal of Genomics

Special Issue on
**New Advances of Targeted Cancer Therapy in
Genomics Era**

CALL FOR PAPERS

Cancer is a disease of the genome. Following the large scale cancer genome projects such as International Cancer Genome Consortium (ICGC) and the Cancer Genome Atlas (TCGA), our understanding of cancers has been dramatically broadened and deepened. Each cancer is so unique, which requires us to treat each cancer in different ways. No doubt, understanding the genetic changes of each cancer is leading to more effective treatment that is tailored to the genetic profile of each patient's cancer. Sequencing and bioinformatics make such personalized therapy possible. Cancer personalized therapy is a centre topic in precision medicine. Cancer genomics is establishing the newest cancer treatments by using a person's genetic information.

Sequencing patient's cancer genome, by which driver genes harbouring key mutations can be identified, such driver genes promote cancer cell growth, progression, and metastasis. If thus mutations can be used as target for drug development, one can design small molecule or antibody to inhibit altered protein. Differing from traditional anticancer drugs, such drugs only target cancer cells carrying such defective protein and have no effects on normal cells. Thus, targeted therapy based on patient's personal genetic feature can enhance therapeutic effectiveness and decrease side effects.

We solicit high quality, original research articles as well as review articles focused on the cancer target therapy in genomics era.

Potential topics include, but are not limited to:

- ▶ Approaches of identifying driver targets for cancer therapy in genomic era
- ▶ Bioinformatic tools for cancer target drug design in genomic era
- ▶ Advance of clinical practice in cancer target therapy in precision medicine era
- ▶ Strategies and methods for speeding up new drug development and production in genomic era
- ▶ New methods for identifying druggable target in cancer target therapy
- ▶ Small molecule drug design for manipulating cell fate in cancer target therapy

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

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