



W. Wu, H. Choudhry (Eds.)

Next Generation Sequencing in Cancer Research, Volume 2

From Basepairs to Bedsides

- ▶ **In-depth coverage of single cell sequencing for cancer**
- ▶ **Gives bioinformatic tools for cancer genome studies**
- ▶ **Explores the latest high-throughput sequencing technologies**

Next Generation Sequencing in Cancer Research, Volume 2: From Basepairs to Bedsides, the second in the series "Next Generation Sequencing Technology in Cancer Research—From Basepairs to Bedsides," is designed to fill the gap between cancer genome research and clinical management of the individual cancer patient. The volume presents the principles of next generation sequencing (NGS) technologies and massively parallel DNA sequencing and their application of the whole genome sequences (WGS), whole exome-seq (WES), RNA-seq, miRNA-seq, and CHIP-seq in cancer research programs and to apply the newly discovered driver genetic alterations for prevention, early diagnosis and genome-oriented precision cancer treatment.

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