



## Special Issue on Microarray

### Call for Papers

**Microarray** is a 2D array on a solid substrate (usually a glass slide or silicon thin-film cell) that using high-throughput screening methods to assay large amounts of biological material including DNA, RNA, peptide, protein, etc. Types of microarrays include: DNA microarrays for surveillance of micro RNA populations, such as cDNA microarrays, oligonucleotide microarrays, SNP microarrays and MM Chips; Protein microarrays and peptide microarrays for detailed analyses or optimization of protein-protein interactions; Tissue microarrays; Cellular microarrays; Chemical compound microarrays; Antibody microarrays; Carbohydrate arrays; Phenotype microarrays and interferometric reflectance imaging sensor (IRIS). The concept and methodology of microarrays was first introduced and illustrated in antibody microarrays (also referred to as antibody matrix) in 1983. And the "gene chip" industry started to grow in the 1990s, nowadays, the technology of DNA microarrays has become one of the most sophisticated and the most widely used technologies.

In this special issue, we are going to invite front-line researchers and authors to submit original research and review articles that explore **microarray**. Potential topics include, but are not limited to:

- .. Microarray and molecular biology
- .. Microarray in biochemical analysis
- .. Microarray in disease therapy
- .. Microarray in drug screening
- .. Microarray in disease detection
- .. Microarray and bioinformatics
- .. DNA microarrays
- .. Microarray image analysis methods
- .. Microarray application in food industry

Before submission authors should carefully read over the journal's Author Guidelines, which are located at [Authors' Guidelines](#). Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at [Paper Submission System](#).

According to the following timetable:



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**Guest Editor**

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