

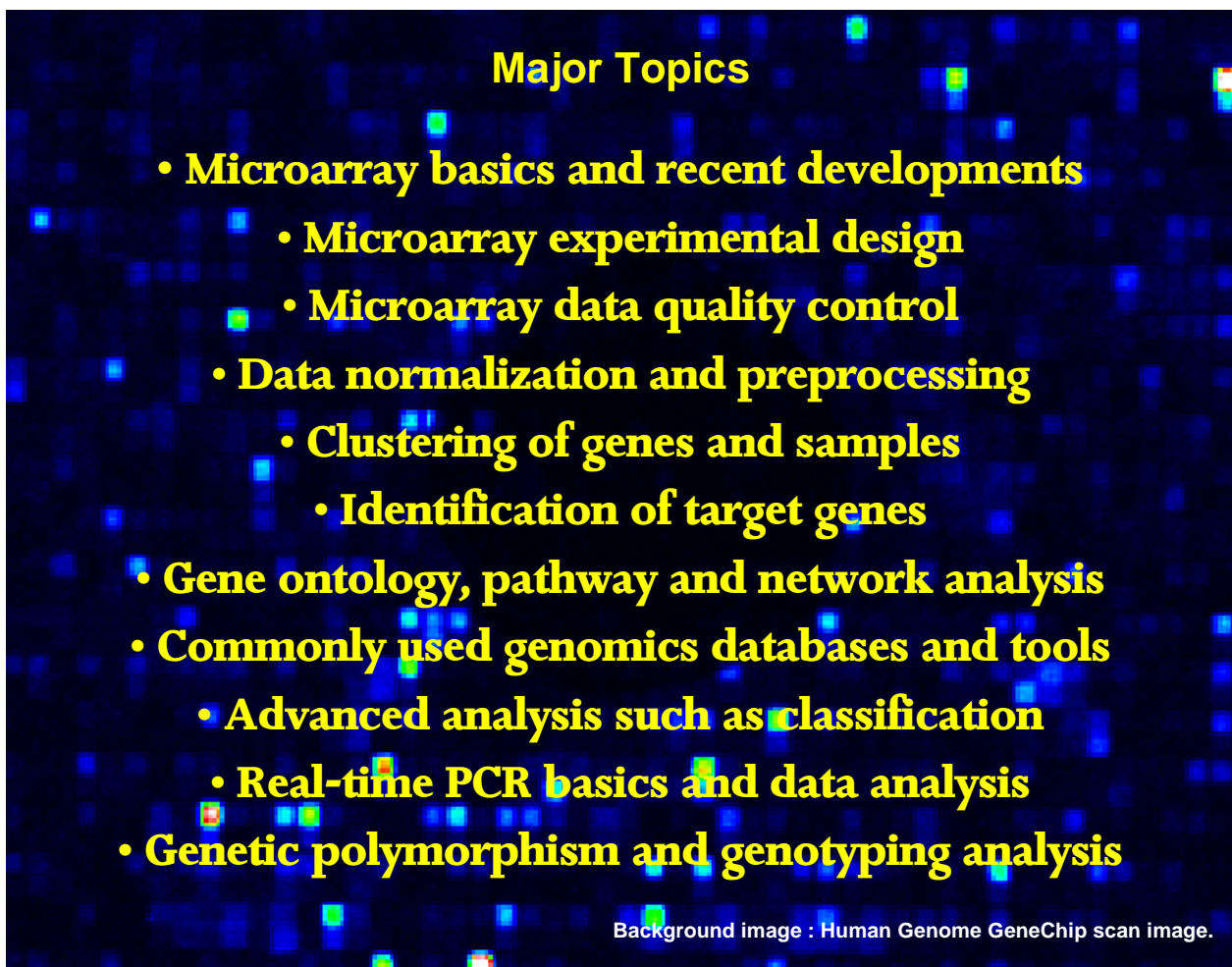
# Functional Genomics & Data Analysis Workshop

**Wednesday, January 7, 2009, 9:30am-3:00pm, 152 Smissman (West Campus)**

Offered by the KU Genomics Facility and Applied Bioinformatics Laboratory

This workshop is for investigators, graduate students and postdoc researchers in life sciences. It will cover microarray basics and recent developments, and major aspects of genomics data analysis. Topics on data analysis are also applicable to other high-throughput technologies, such as proteomics.

No prior experience on genomics is required.



**Major Topics**

- **Microarray basics and recent developments**
  - **Microarray experimental design**
  - **Microarray data quality control**
- **Data normalization and preprocessing**
  - **Clustering of genes and samples**
  - **Identification of target genes**
- **Gene ontology, pathway and network analysis**
- **Commonly used genomics databases and tools**
  - **Advanced analysis such as classification**
  - **Real-time PCR basics and data analysis**
- **Genetic polymorphism and genotyping analysis**

Background image : Human Genome GeneChip scan image.

Registration required. Seats limited to 25 participants. Please register by December 26 via email to [KUgenomics@ku.edu](mailto:KUgenomics@ku.edu).

No registration fee. Lunch will be provided at no cost.

Please contact Dr. Jianwen Fang ([jwfang@ku.edu](mailto:jwfang@ku.edu), 864-3349) or Dr. Xinkun Wang ([xwang@ku.edu](mailto:xwang@ku.edu), 864-4589) if needing further information.

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