

Genomics and Proteomics Engineering in Medicine and Biology presents a well-rounded, interdisciplinary discussion of a topic that is at the cutting edge of both molecular biology and bioengineering. Compiling contributions by established experts, this book highlights up-to-date applications of biomedical informatics, as well as advancements in genomics-proteomics areas. Structures and algorithms are used to analyze genomic data and develop computational solutions for pathological understanding.

Topics discussed include:

- Qualitative knowledge models
- Interpreting micro-array data
- Gene regulation bioinformatics
- Methods to analyze micro-array
- Cancer behavior and radiation therapy
- Error-control codes and the genome
- Complex life science multi-database queries
- Computational protein analysis
- Tumor and tumor suppressor proteins interactions

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