Biomedical Informatics

Computer Applications in Health Care and Biomedicine

- Provides the conceptual base needed to comprehend and utilize medical informatics through easy to understand examples
- Fills the need for a high quality text in computers and medicine
- Focuses on the role of computers in the provision of medical services
- Inspired by a Stanford University training program
- Includes several new chapters filled with brand new material

Biomedical Informatics: Computer Applications in Health Care and Biomedicine meets the growing demand of practitioners, researchers, educators, and students for a comprehensive introduction to key topics in the field and the underlying scientific issues that sit at the intersection of biomedical science, patient care, public health, and information technology (IT). This 4th edition reflects the remarkable changes in both computing and health care that continue to occur and the exploding interest in the role that IT must play in care coordination and the melding of genomics with innovations in clinical practice and treatment. New chapters have been introduced on the health information infrastructure, consumer health informatics, telemedicine, translational bioinformatics, clinical research informatics, and health IT policy, while the others have all undergone extensive revisions, in many cases with new authors.