

HUMAN GENOME INFORMATICS

TRANSLATING GENES INTO HEALTH

Edited by **Christophe G. Lambert, Darrol J. Baker, George P. Patrinos**

Human Genome Informatics: Translating Genes into Health examines the most commonly used electronic tools for translating genomic information into clinically meaningful formats. By analyzing and comparing interpretation methods of whole genome data, the book discusses the possibilities of their application in genomic and translational medicine. Topics such as electronic decision-making tools, translation algorithms, interpretation, and translation of whole genome data for rare diseases are thoroughly explored. In addition, discussions of current human genome databases and the possibilities of big data in genomic medicine are presented.

With an updated approach on recent techniques and current human genomic databases, the book is a valuable source for students and researchers in genome and medical informatics. It is also ideal for workers in the bioinformatics industry who are interested in recent developments in the field.

End User Key Features:

- Provides an overview of the most commonly used electronic tools to translate genomic information
- Brings an update on the existing human genomic databases that directly impact genome interpretation
- Summarizes and comparatively analyzes interpretation methods of whole genome data and their application in genomic medicine



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