

Fundamentals of Genomics

The study of the genomes and complete human cell DNA sets is known as genomics. As a part of molecular biology, genomics includes analysis and sequencing of genomes. The different phenomena studied under this field are epistasis, pleiotropy, heterosis, etc. The various areas where genomics is applied are conservation genomics, genomic medicine, synthetic biology and bioengineering. This book elucidates new techniques of genomics and their applications in a multidisciplinary approach. The topics covered in this extensive text deal with the core aspects of the subject. Those in search of information to further their knowledge will be greatly assisted by this textbook.

Victor Kennedy received his Ph.D. in Genome Sciences from the University of Washington, United States of America. He is actively engaged in the researches focused on genetic inheritance and genetic variation. He serves on the editorial board of international journals in the field of genomics. Kennedy is a distinguished professor of undergraduate education and currently serves as guest faculty for several universities across United States.

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