

Bioinformatics

Bioinformatics has become a very important part of many areas of biology. It is an interdisciplinary associated with all fields of biology. In technically molecular biology, bioinformatics skills such as image and signal processing grant isolation of needed results from large amounts of raw data. In the field of genetics, it benefits in sequencing and annotating genomes and their detected mutations. It performs a role in the text mining of biological data. It also performs a role in the investigation of gene through in-silico analysis for protein expression, single nucleotide polymorphisms, genome sequencing, biological pathways of structural biology, biomolecular interactions and regulation. Bioinformatics tools aid in comparing, analyzing genomic, proteomic data by computational biology methods and more generally in the understanding of development aspects of molecular biology. Develops programs to analyses veracious biological data, and relation between huge data sets to interpret various intricate pathways.

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Last Updated: 18 May 2024 6:51 pm