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Bioinformatics

National Cancer Institute

Source

National Cancer Institute. *Bioinformatics*. NCI Thesaurus. Code C17964.

Bioinformatics derives knowledge from computer analysis of biological data. These can consist of the information stored in the genetic code, but also experimental results from various sources, patient statistics, and scientific literature. Research in bioinformatics includes method development for storage, retrieval, and analysis of the data.

Bioinformatics is a rapidly developing branch of biology and is highly interdisciplinary, using techniques and concepts from informatics, statistics, mathematics, chemistry, biochemistry, physics, and linguistics. It has many practical applications in different areas of biology and medicine. (M. Nilges and Jens P. Linge, Unite de Bio-informatique Structurale, Institut Pasteur, Paris)