

# The Hand book of information and Cyber Ethic

## Chapter16: Genetic Information: Epistemological and Ethical Issues

### Amazonlink:

[http://www.amazon.com/Handbook-Information-Computer-Ethics/dp/0471799599/ref=sr\\_1\\_1?ie=UTF8&s=books&qid=1233037513&sr=1-1](http://www.amazon.com/Handbook-Information-Computer-Ethics/dp/0471799599/ref=sr_1_1?ie=UTF8&s=books&qid=1233037513&sr=1-1)

### What I expect to learn:

- To learn about different epistemological issues
- To learn more about ethical issues
- To learn what is genetic information

### Quote:

“The future of biology is strongly tied to that of bioinformatics, a field of research that collects all sort of biological data, tried to make sense of living organisms in their entity and then make predictions.”

### Book Review:

Identify an ethical question or case regarding the integration of information technology into society. Typically this focuses upon technology-generated possibilities that could affect (or are already affecting) life, health, security, happiness, freedom, knowledge, opportunities, or other key human values. Clarify any ambiguous or vague ideas or principles that may apply to the case or the issue in question. If possible, apply already existing, ethically acceptable principles, laws, rules, and practices that govern human behavior in the given society.

It was explained “that genetic information is the genes containing an amount of information (the so-called TACG amino acids sequence) and able to build a human being up is today a seldom challenged triviality. This idea is fundamental to the so-called “Central Dogma” of genetics. The “Central Dogma”, as originally formulated by Crick, is a negative hypothesis, which states that information cannot flow downward from protein to DNA.” No, DNAs are not really my professional concern but I am aware that like

DNAs, computers withhold an amazing degree of information no man can memorize but can definitely determine.

**What I have learned:**

- The concept of information
- The notion of genetic information
- The ideological use of a model and ethical issues in fund-raising
- The cooperation and public access of data

**Integrative Question:**

1. What is semantic theory?
2. What is synthetic theory?
3. What is genetic information?
4. What did Berlinski contribute?
5. What did Maynard mentioned?