

Gene Therapy

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Perhaps the most important scientific finding of the last decade was the mapping of the human genome, first announced in June 2000. Mapping the structure of human genes opens the door to therapies targeted to a person's specific genetic makeup and ultimately the ability to cure devastating diseases like cancer. It also makes possible the use of cloning to create duplicate organs and potential duplicate human beings, an outcome that is facing huge ethical challenges. The Human Genome project will result in hundreds of business opportunities. For example, companies like PE Biosystems Group make equipment that genomics companies use to sequence and assemble genes. Entrepreneurs with diagnostic laboratories like BioForce Laboratories, a young entrepreneurial firm, will find new opportunities in gene-based diagnostic tests. Entrepreneurs interested in gene therapy will be able to license new technologies for which they can create new applications in the marketplace.

Nanotechnology

Nanotechnology involves processes that occur at the molecular level. (A nano is one billionth of a metric unit, and 10 nanometers is 1,000 times smaller than the diameter of a human hair. Scientists and engineers are developing molecular machines, such as microscopic-level diagnostic chips, that a person can swallow so that a doctor can track what's happening in that person's body. The ability to create microscopic machines and robots opens the door to thousands of new products and services that never existed before.

Wireless Technology Accommodation Bucharest

The ability to communicate without physical connections will also open up many opportunities to provide new products and services. Today anyone with a web-enabled cell phone or PDA can check on inventory levels and shipping progress for customers, and send and receive e-mail. And that's only the beginning. Many entrepreneurs interested in this area believe that people will become walking Internet portals with wearable wireless technology. They will be able to extend their senses and become an interface for everything they need wherever they go.