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and also one of the backbone disciplines in the 21st century. Research subjects of life science relate to activity phenomena and their nature of organisms, as well as to interrelationship between them and environment. Reviewing the history of development of science, it is easy to see that it mainly concentrated on physics, wherein the theory of relativity proposed by Einstein pushed contemporary physics upward to a glorious peak in the first half of the 20th century, and in the next half of the 20th century its core tended to life sciences obviously. Among all the Nobel Prize winners from the 1950s to the recent years, we can see that the highest science award has been more and more in the field of life sciences. Some some of the so-called chemistry awards were won as the object of study and the achieved breakthrough that related with life activities.

In the 21st century, life sciences made the most brilliant progress. Protein, sugar and deoxyribonucleic acid (DNA) molecular structures have been clarified in succession. Test-tube baby, transgenic plants and transgenic animals appeared one by one. The human genome project was started up, and the first cloned sheep "Dolly" appeared in the world. All of these rapid progressive events have shown that the 21st century is the century of life sciences to more and more part at. This includes the meaning of two aspects. Firstly, life sciences will become the leading discipline, and provide new solutions and methods for research and development of other disciplines, and secondly, bioengineering industry will become a mainstay industry in the 21st century, and bioengineering agriculture and bioengineering pharmaceutical industry are the two important parts of the bioengineering industry. Bioengineering will finally solve the vital problems influencing human survival, including world's population, grain, environmental pollution, health, energy sources and so on.

1.1 Life Sciences: the Leading Discipline in the 21st Century

The 20th century is a stage of rapid development of life sciences, especially in the last 20 years of the 20th century, people's attention is more attracted to the speed of development of life sciences. Genetically modified food (GMF) has been laid out on the table of ordinary people; genetic therapy technology has begun to save lives of patients with genetic diseases, and the significant breakthrough in cloning technology has already made it become possible to make copies of animals. The dreams of mankind for several thousand years will come true one by one, with life science century replacing the physics century, and the world will appear more miraculous with development of life sciences. It can be expected in the 21st century from both development and crisis, that life sciences will become the leading discipline of natural sciences.