

The Human Genome Project (HGP) and Future of Man

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We have every reason to believe in a better future of Man: People will live in a longer and healthier life; nature will flourish with harmony and become more friendly, the world will be peaceful and developing in a “scientific” way.

Our optimistic belief in the future is strongly rooted in the cultural and technological heritage from our ancestors in the last millennia, and solidly based on the tremendous achievements of humanity in science and technology in the last few centuries, especially on the HGP and the *HGP Spirit*.

The HGP is widely acknowledged as one of the 3 most important projects in natural sciences of the 20th Century. It is also generally accepted by the scientific community as “the 2nd revolution” in life sciences, following “the 1st revolution” discovering DNA double helix.

The HGP has cultivated a new field, GENOMICS, which has made almost all branches of the life sciences “omicized”. It has fueled the development of a technology, SEQUENCING, which has made life “sequenced” and “digitalized”, thus revolutionized biology and medicine for the 21st Century.

More importantly, the HGP has nurtured a CULTURE of collaboration under the HGP Spirit: “*Needed by All, Owned by All, Done by All, and Shared by All*”. We have established a brilliant example of global collaboration for the sake of humanity and scientific advancement.

Together with other newly emerging technologies, such as iPS/stem cell and animal cloning, genome editing and writing (“synthetic genomics”) and other-omics, as well as big-data and artificial intelligence, the HGP has “*changed biology and biotech for ever*” and has brought us a new opportunity for building a more beautiful life world and our confidence of a better future of mankind.