

Bringing Unique Insights to the Genomics Revolution

At MSCI, we believe that the companies pushing the boundaries of genomics are fundamentally changing human life by shifting the medical paradigm from being reactive to preventative.

In 1998, the Human Genome Project paved the way to the genomics revolution when it presented a "finished" version of the DNA sequence of the entire human genome. Sequencing the first human genome cost about \$1 billion and took 13 years to complete; today it costs roughly \$3,000 to \$5000 and takes just one to two days.

Now that same technology enables us to look beyond the human genome. Soon, everything from bacteria and cancer to plants and puppies will be sequenced, providing the data to understand how life grows, heals and thrives.

Everywhere, deeper biological insights, innovations and analytics will help eliminate guesswork across health care.

The medical paradigm shifts from being reactive to preventative. And when a doctor can map a patient's genes, medicine gets personal, drugs become more powerful and therapies become proactive.

The revolution in genomics won't just transform human life; agriculture may benefit as well. Once gene editing techniques become available, genetically modified crops will become safer and more cost efficient.

MSCI is powering better investment decisions by bringing unique insights to the genomics revolution. To learn more, contact your MSCI representative or email us at clientservice@msci.com.

About MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 45 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective

portfolios. We create industry-leading research-enhanced solutions that clients use to gain insight into and improve transparency across the investment process. To learn more, please visit www.msci.com.

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