

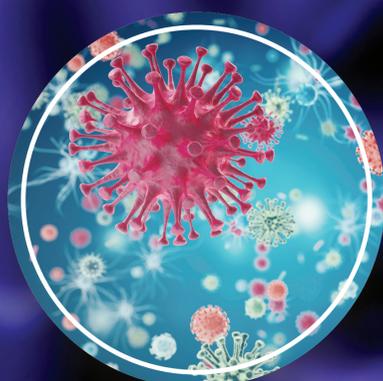
Science is beautifully complex

Mastering your sequence can be simple

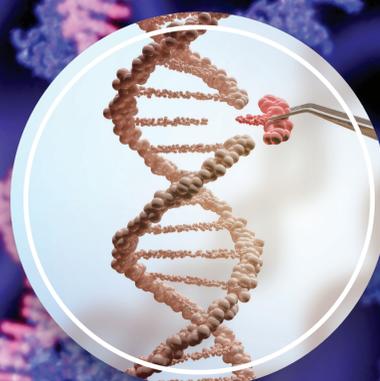
Major scientific achievements in genomics and biotechnology, and much of today's understanding of molecular biology, were made possible with DNA sequencing and fragment analysis technologies. Here are some highlights from among the advances helping us meet the challenges of scientific complexity:



The Human Genome Project, enabled by Sanger sequencing, revolutionizes the concept of personalized health



Complete sequencing of the Ebola virus enables epidemiology studies to understand virus evolution and transmission



The path to targeted gene therapy is made clearer with the development of the CRISPR-Cas9 system; Sanger sequencing plays an important role in confirming genome edits



Sequencing the DNA of families with autism spectrum disorder (ASD) helps subcategorize the phenotypes and underlying genetic factors involved



Forensic scientists have been using STR-based DNA profiling tests on capillary electrophoresis platforms for over 20 years in >400,000 crime investigations



16S rRNA gene sequence analysis is important for the identification of bacteria in clinical microbiology and infectious disease research

Explore our new sequencing content hub at thermofisher.com/master-your-sequence

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