

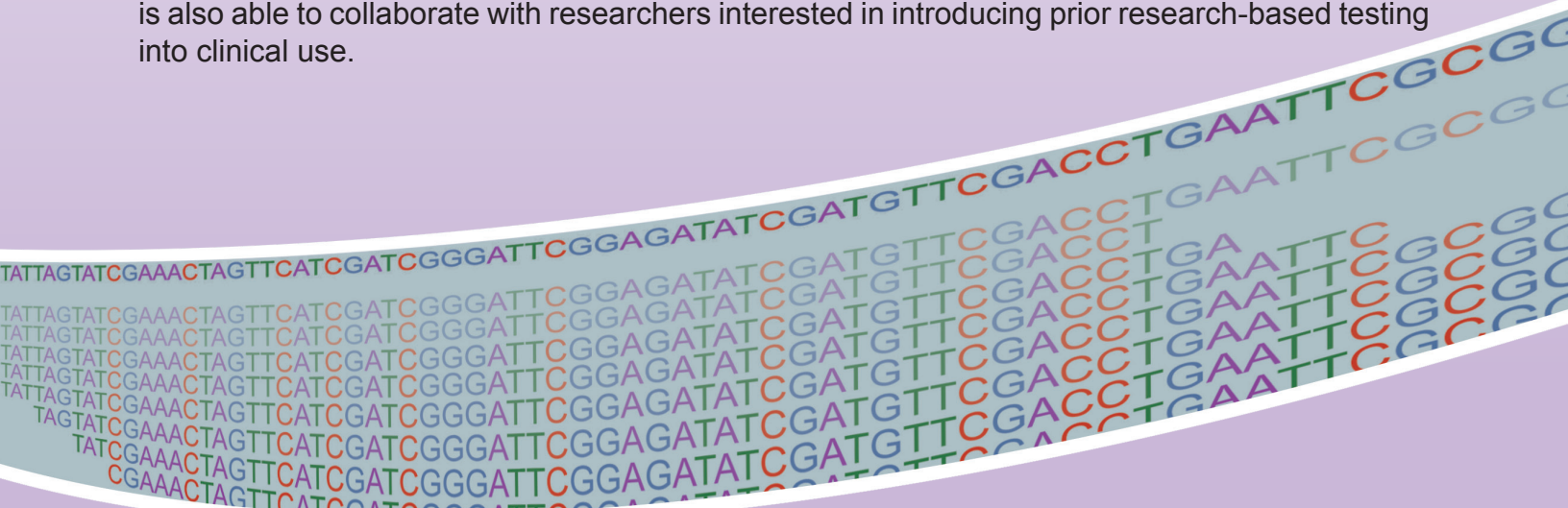
Next Generation Sequencing Services Offered by Genetics Center

For 27 years, Genetics Center has been providing the most advanced and clinically relevant genetic testing at our CAP accredited, CLIA certified, and COG approved Molecular genetics and Cytogenetics laboratories. We are proud to announce our next-generation sequencing (NGS) technology and ability to provide Clinical Exome sequencing, mitochondrial whole genome sequencing, and relevant targeted mutation panels.

As an example, the entire mitochondrial genome, including 37 mitochondrial genes known to be involved in mitochondrial DNA disorders are analyzed by next generation sequencing in our laboratory for confirmation of a clinical diagnosis or for carrier testing. We also have the ability to provide many specialized nuclear multi-gene panels depending on the disorder or condition being evaluated.

Clinical Exome sequencing is a highly complex molecular test that analyzes the exons (or coding regions) of thousands of genes from a small sample of blood, by NGS techniques. The purpose of this test is to identify the underlying molecular cause of a genetic disorder in an affected individual. Genetics Center is unique as we have a large team of medical geneticists, clinical molecular geneticists, scientists and genetic counselors involved in the review of each case in order to provide the most clinically relevant results.

All of our molecular genetics tests performed by NGS are interpreted by board-certified laboratory directors and clinicians. Genetics Center, with our clinical scientists and state-of-the-art facilities, is also able to collaborate with researchers interested in introducing prior research-based testing into clinical use.



For further information regarding specimen requirements, pricing, and turnaround time, please visit www.geneticscenter.com or contact us at:

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