The Mayo Clinic Center for Individualized Medicine has launched the Translational Genomics Program (TGP) specifically focused on finding answers from genetic testing. Using a variety of new analytical methods, additional forms of genetic tests, and employing a variety of laboratory-based functional studies, the TGP seeks answers for patients for whom standard clinical testing did not return a genetic diagnosis.

The success of this program is based not only on the transformative vision of Mayo’s Center for Individualized Medicine, but on the Center’s unique ability to integrate cutting-edge analytical processes and laboratory research with world-leading clinical expertise.

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RARE DISEASE STATISTICS
• One rare disease may impact at least 1 in 2,000 people
• There are an estimated 7,000 rare diseases
• 25-30 million people are living with a rare disease in the US today
• 80% are thought to be genetic in origin

PROGRAM STATISTICS
• Approximately 550+ cases have been sequenced
• Reviewed over 300 cases in the Genomic Odyssey Board
• 50% of the cases that received a genetic diagnosis were solved by TGP research

PERSONALIZED INVESTIGATIONS
• Genomic testing
• Variant interpretation
• Single patient and cohort studies

PUBLICATIONS

2017
7-49.

2016

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TRANSLATIONAL GENOMICS PROGRAM

http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/genomics.asp

http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/clinical-laboratory-genomics.asp

http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/fundamental-sciences.asp

http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/innovation-center-landscape.asp

http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/individualized-medicine-clinic.asp

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http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/precision-medicine-clinical-implications.asp

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http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/precision-medicine-genomics.asp

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http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/landscape-technologies-and-tools.asp

http://mayoresearch.mayo.edu/mayo/research/center-for-individualized-medicine/landscape-workforces-and-institutions.asp

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