The Core Laboratory is 4200 square feet with state-of-the-art equipment including the Illumina MiSeq and NextSeq. The laboratory also uses robotic equipment for sample extraction and preparation.

The success of the Precision Genomics program has led to other developments that will branch to cardiovascular, neonatal, neurology and immunology. These expansions will assist in treatment of other common chronic diseases.

As a not-for-profit hospital system, Intermountain Healthcare is committed to providing quality healthcare. Your contributions benefit patients, enable research to continue and ensure scientific advancements in the field of genomics.

Thank you for your continued support of Intermountain Precision Genomics!

WHO IS ELIGIBLE FOR PRECISION GENOMICS?

Patients with a diagnosis of stage four cancer are eligible for Precision Genomics after failing traditional cancer treatment therapies – including radiation and chemotherapy.

HOW DOES IT WORK?

Genomic testing must be ordered by an oncologist.

A biopsy, or piece of tissue, is collected from the patient tumor. This biopsy does not need to be new, but the more recent the better. The core laboratory performs sequencing and interpretation. The Molecular Tumor Board (MTB) recommends drug therapies based on patient’s genetic makeup.

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WHAT IS THE FUTURE OF PRECISION GENOMICS?

The process

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BE A PART OF THE FUTURE OF PRECISION GENOMICS

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LEARN MORE

Visit precisioncancer.org

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Cancer occurs because of cell mutations. The body replicates the bad cells forming a tumor. The core laboratory extracts DNA from tumor cells to identify faulty DNA. We are the only healthcare system in the nation with the capability to test and provide treatment options for commonly occurring cancer mutations. Because of this, patients have a dramatically improved chance for discovery of a treatable gene mutation. Precision Genomics hosts a team of renowned physicians and scientists from around the nation to form a Molecular Tumor Board (MTB). They discuss each individual case to recommend drugs and treatment options that target the genetic mutation. Drugs target actionable mutations and downstream pathways to kill cancer cells. Research shows targeted therapies extend life and improve the quality of life for patients.