



At Illumina, our mission is to improve human health by unlocking the power of the genome. This *Nature Outlook* explores how precision medicine is advancing this mission. Just in the past few years, new tools have been developed that enable surveying the genome for alterations that drive and exacerbate disease, put us at risk for disease, and predict our response to therapy. And although there is nothing more personal than our individual genetic codes, ironically, it will take nothing less than a global collective effort to share and analyze genomic information to gain actionable insights.

We can anticipate that the rate at which we'll uncover the mechanisms of many diseases will outpace our collective ability to learn, disseminate, and regulate new knowledge. Fortunately, the discovery of biomarkers and new therapies can proceed while important infrastructure needs and issues such as data privacy and integrity are being addressed. We are proud to sponsor *Nature Outlook: Precision Medicine* and look forward to the discussions it will spark.

We applaud and are inspired by the global efforts focused on the realization of precision medicine through understanding the genome. We thank you all—researchers, clinicians, policy makers, and patients.



John Leite
VP, Oncology - Market Development and Product Management
Illumina



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Since I was 5,
I've had so many
procedures. My wish
is for better treatment.
Never give up—let's
kick cancer together.

Jordan, cancer slayer



There's nothing more personal than genomics

Powerful stories. New possibilities. Every day Jordan wakes up to wage battle with her rare brain tumor, combating both the tumor itself and the treatment that left her in a wheelchair. Jordan and brave children like her, inspire us to create the genomic solutions that will make precision treatment for rare and childhood cancers possible. Our hope for the future is that children like Jordan can simply enjoy being children.

Together we'll advance precision medicine and improve human health.

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Genomic solutions to transform possibility into progress.

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My hope for patients like me is for breakthroughs that lead to earlier cancer detection and effective treatments the first time.

Francis, Battling cancer



There's nothing more personal than genomics

Powerful stories. New possibilities. Francis, and others like him, inspire us to create the genomic solutions that help researchers uncover new biologic insights that advance cancer's identification and treatment. Illumina next-generation sequencing and array-based solutions help researchers achieve deeper and more accurate analysis of a tumor's molecular profile. Our hope is to accelerate discoveries that will improve the entire cancer care continuum from earliest detection to companion diagnostics and personalized treatments.

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