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THE CAMPAIGN TO END CANCER



# Institute for Data Science in Oncology

## Unlocking the power of big data and AI

Like putting pieces of a puzzle together to reveal the full picture, The University of Texas MD Anderson Cancer Center amasses patient data paired with deep analyses to illuminate the future of cancer care. The challenge? How to collect and store this valuable information, scientifically interpret it, and then translate new data into a new therapy or cure.

We seek to decrypt data using state-of-the-art tools and techniques to find unseen patterns, to derive meaningful information, and to inform action and discovery. By revealing clues that hide deep within vast amounts of data, the Institute for Data Science in Oncology integrates the power of artificial intelligence and data science. With unparalleled scientific and clinical expertise, the institute transforms the patient experience, enhances quality of life and accelerates scientific breakthroughs in cancer care.

In patients with a cancer diagnosis, data-driven decisions can unlock a new dimension that comprises genomics, proteomics and 3D imaging. All this information, properly gathered and analyzed, can help us to deliver better, safer care and ultimately to unlock the mystery of cancer. When fully realized, the institute will be one of the single largest investments in oncology data science in history.

## **Our mission is clear. The time is now.**

For more than 80 years, millions have turned to UT MD Anderson for lifesaving care, where we transform cancer treatment through leading-edge research and innovative clinical practices. Uniquely integrated under one roof, our world-leading resources and capabilities form a strong foundation. But to achieve our boldest goals, philanthropy must accelerate what is possible.

With a goal to raise \$2.5 billion in our largest-ever philanthropic campaign, UT MD Anderson is uniquely positioned to expedite breakthroughs that rapidly improve treatments and lead to cures; to elevate the patient experience and redefine standards for high-value care; and to expand our reach, bringing advancements to more patients than ever before.

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