



City of Hope
**POINTS
 of
 DISTINCTION**



Jim Murphy, cancer survivor



PHOTOGRAPH BY JIMI SUZUKI



City of Hope delivers scientific miracles that make lives whole again. We are a world leader in cancer research, treatment and prevention. Here, doctors partner with scientists to transform laboratory breakthroughs into treatments that outsmart cancer, as well as diabetes and other life-threatening diseases. Compassion is at the heart of our approach. We care for the whole person, not just the body, so your life after cancer can be rich and rewarding. At City of Hope, we combine science with soul to work miracles.

INSTITUTIONAL DISTINCTIONS

- City of Hope is one of only 49 comprehensive cancer centers in the nation, the highest designation possible from the National Cancer Institute.
- We have been ranked as one of the nation's "Best Hospitals" in cancer by *U.S. News & World Report* for over 10 years.
- City of Hope is a founding member of the National Comprehensive Cancer Network, meaning our research and treatment protocols advance care throughout the nation.
- In the 2017 fiscal year, City of Hope was awarded more than \$135.1 million in research grants and received approximately \$398.1 million in revenues from patented technologies.
- City of Hope has earned its eighth consecutive Press Ganey Guardian of Excellence Award.

WE WERE THE FIRST TO OFFER CAR T TRIALS TARGETING CD123 IN ACUTE MYELOID LEUKEMIA.



- City of Hope has earned the highest rating — four stars — from the nation's leading watchdog, Charity Navigator. The four-star rating reflects City of Hope's sound fiscal management and financial growth and stability.
- We are part of ORIEN (Oncology Research Information Exchange Network), the world's largest cancer research collaboration devoted to precision medicine.
- We were recently awarded the highest level of accreditation by the American College of Surgeons Commission on Cancer for our exceptional level of cancer care, "Three-Year with

Commendation." This is the second consecutive time that we have received this prestigious rating.

- We were the first to investigate the IL13Rα2 target and the first and only to treat patients with CAR T cells targeting the IL13Rα2 antigen, which is overexpressed in a majority of glioblastomas.
- We were the first to administer CAR T cell therapy locally in the brain through direct injection to the tumor site and/or through infusion in the ventricular system.



- We were the first to offer CAR T trials targeting CD123 in acute myeloid leukemia.
- We were the first to use CAR T cell therapy to treat patients with the rare disease blastic plasmacytoid dendritic cell neoplasm.
- To date, all patients in our current CAR T clinical trial for adult acute lymphoblastic leukemia have achieved remission.

A RECORD OF INNOVATION

- Numerous breakthrough cancer drugs, including Herceptin, Erbitux, Rituxan and Avastin, are based on technology pioneered by City of Hope and are saving lives worldwide.
- Millions of people with diabetes benefit from synthetic human insulin, developed through research conducted at City of Hope.

WE HAVE PERFORMED MORE THAN 14,000 BONE MARROW AND STEM CELL TRANSPLANTS.



- City of Hope was a pioneer in bone marrow and stem cell transplants — and our program is now one of the largest, most successful programs of its kind in the U.S. We have performed more than 14,000 bone marrow and stem cell transplants.
- Surgeons at City of Hope have performed more than 11,000 robotic procedures for prostate, kidney, colon, liver, bladder, gynecologic, oral and other cancers.

SPEED, EFFICIENCY AND COLLABORATION

- Our research facilities set us apart. We have not one, but three, manufacturing facilities on campus that manufacture both biologic and chemical compounds that meet strict GMP (good manufacturing practice) standards. This infrastructure helps us quickly turn breakthrough discoveries into lifesaving therapies.
- City of Hope holds more than 300 patents, and submits nearly 30 applications per year to the Food and Drug Administration for investigational new therapies. These numbers are exceptionally large for an organization of City of Hope's size.
- Beckman Research Institute of City of Hope was the first of five Beckman Institutes in the United States, which together have fueled scientific advances for more than a generation.
- Each year, City of Hope conducts 500 clinical trials, enrolling more than 6,200 patients.

SCIENCE THAT IS SAVING LIVES

- City of Hope researchers are investigating ways to harness the body's natural defenses to fight cancer, an approach known as "immunotherapy."

One approach strikes a dual blow — shutting off a gene that promotes cancer while stimulating the immune system to act — in an effort to fight lymphoma and melanoma, as well as brain, ovarian and prostate cancers.

Other studies are focused on engaging every stage of the immune response to defeat breast cancer.

WE HAVE OVER 300 PATENTS AND ALMOST 30 DRUGS IN THE PIPELINE AT ANY GIVEN TIME.



- City of Hope scientists studying "superfoods" have found that an extract of white button mushrooms can help block hormones that cause breast cancer and prostate cancer to grow and spread. They're also researching the anti-cancer properties of other superfoods such as blueberries, pomegranates and grape seed extract.
- Because life after cancer treatment can present both physical and emotional challenges, City of Hope creates a bridge between treatment and ongoing support. The Center for Cancer Survivorship provides specialized follow-up care and education for survivors of pediatric, prostate and breast cancers. The resulting research is helping physicians understand the long-term effects of cancer and its treatment — influencing how care is delivered today at City of Hope and beyond.



BEYOND THE STUDY OF CANCER

- By investigating the molecular mechanisms of diabetes complications, City of Hope scientists are helping develop new treatments for them. They also are studying the use of blood stem cell transplantation to reboot the immune system in type 1 diabetes, an autoimmune disease.
- City of Hope is a national leader in islet cell transplantation, which has the potential to reverse type 1 diabetes. In addition, we provide islet cells for research at other institutions throughout the U.S.
- City of Hope scientists pioneered the application of blood stem cell transplants to treat patients with HIV and AIDS-related lymphoma. Our researchers used a new form of gene therapy to achieve the first long-term persistence of anti-HIV genes in patients with AIDS-related lymphoma. This treatment ultimately may cure not only lymphoma, but also HIV/AIDS, and our researchers are now expanding their studies with a new clinical trial.



PHILANTHROPIC SUPPORT MAKES IT ALL POSSIBLE

- City of Hope is powered by philanthropy. It was launched in the firm belief that all of us have the potential to change the fate of individuals, even as we improve medical care overall.
- "There is no profit in curing the body if, in the process, we destroy the soul." Those words were spoken by Samuel H. Golter, one of our early leaders, and they remain the credo that guides



City of Hope's approach to patient care. We are committed to treating the whole person not only by providing the best medical care possible, but also by providing that care in an atmosphere of kindness and compassion.

- Year after year, foundations, philanthropists, business leaders, global corporations, small businesses and hundreds of thousands of other caring individuals of all ages contribute generously to support the lifesaving work of City of Hope.

WE HAVE NOT ONE, BUT THREE, MANUFACTURING FACILITIES ON CAMPUS THAT MANUFACTURE BOTH BIOLOGIC AND CHEMICAL COMPOUNDS THAT MEET STRICT GMP STANDARDS.



- Many professional sports organizations have supported City of Hope, including the Los Angeles Dodgers, the Los Angeles Kings, Major League Soccer's Chivas USA and the National Football League.



