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Rather than wait years for outside investors to finance new drug development, City of Hope manufactures some of its own biologics following strict FDA guidelines, then tests them in phase I and II clinical trials.

## RESEARCH

City of Hope doesn't wait for discoveries to happen. We pursue them with an urgency driven as much by compassion as intellectual curiosity. To us great science conducted aggressively and safely is nothing less than a matter of heart.

As an independent biomedical research, treatment and education institution, City of Hope has the energy and infrastructure to turn promising ideas into new, more effective therapies at a dramatically accelerated pace. To that end, we are a national leader in translational research. We streamline the path from laboratory to treatment by removing the traditional barriers between researchers and physicians. By minimizing bureaucracy, knowledge is shared quickly and treatments improved accordingly. Our commitment to pursue the best science means freedom for our physicians and researchers — the freedom to

challenge assumptions, reconfigure paradigms and execute new strategies to save more people every day.

Through the years, our innovations have improved the lives not only of our patients, but also of countless men, women and children throughout the world. Research pioneered by City of Hope has provided the platform for the drugs Rituxan®, Herceptin®, Avastin® and Erbitux®; revealed how a critical component of the immune system, the T-cell, functions; and isolated and identified genes associated with lung cancer. We are currently testing adoptive T-cell therapy, investigating the potential of genetically reprogramming stem cells to confer HIV/AIDS resistance, and fighting metastasized brain tumors with targeted therapies.



Approximately 45 percent of eligible patients at City of Hope are involved in more than 300 clinical trials at any given time, which is greater than typical cancer centers.

## TREATMENT

For people battling cancer and other life-threatening diseases, every day that passes is an agonizing wait for a scientific breakthrough. What matters most is now, not next week or next year. That reality, above all, propels us to act swiftly. Because we believe that the facilitated interaction between researchers and clinical caregivers is critical to improving treatments, physicians at Helford Clinical Research Hospital at City of Hope are able to bring new and emerging therapies to the immediate aid of patients.

Consider for a moment the people in our care. Each one comes to us for hope. And there is perhaps no greater hope than knowing that the researcher down the hall may be the person who can help save your life.

City of Hope has pioneered a number of standard-setting treatments. We operate one of the most successful bone marrow and stem cell

transplant programs in the world, having performed more than 8,000 procedures. We were among the first institutions anywhere to conduct robotic-assisted surgery, significantly improving the outcomes for patients with prostate cancer and other malignancies. We were also the first to operate two TomoTherapy units, considered among the most advanced radiation therapy technology available.

Nevertheless, being first is meaningless if we fail in our primary mission to care for the whole person. Since our founding in 1913, compassion has been woven into the heart and soul of our institution — compassion for our patients as well as for those who love them. Support, trust, encouragement, information, understanding, hope — these are the intangibles that shape what we are today and what we are focusing on tomorrow.

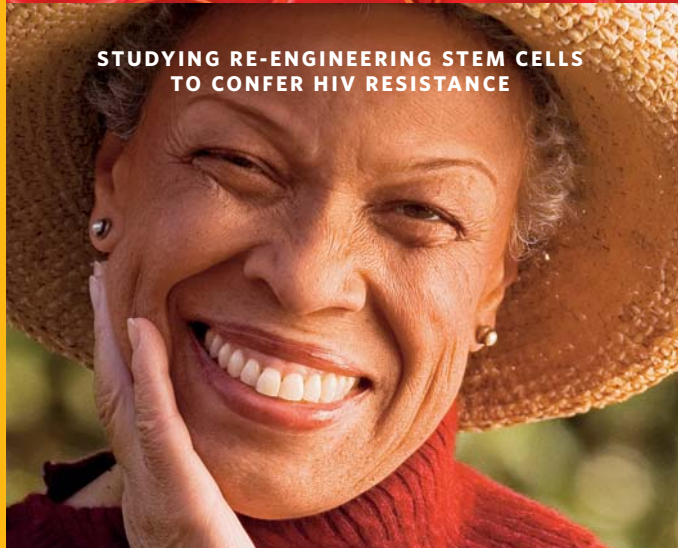
**PATENTED RESEARCH LED TO FIRST  
HUMAN SYNTHETIC INSULIN**



**RESEARCH LED TO RITUXAN<sup>®</sup>, HERCEPTIN<sup>®</sup>,  
AVASTIN<sup>®</sup> AND ERBITUX<sup>®</sup>**

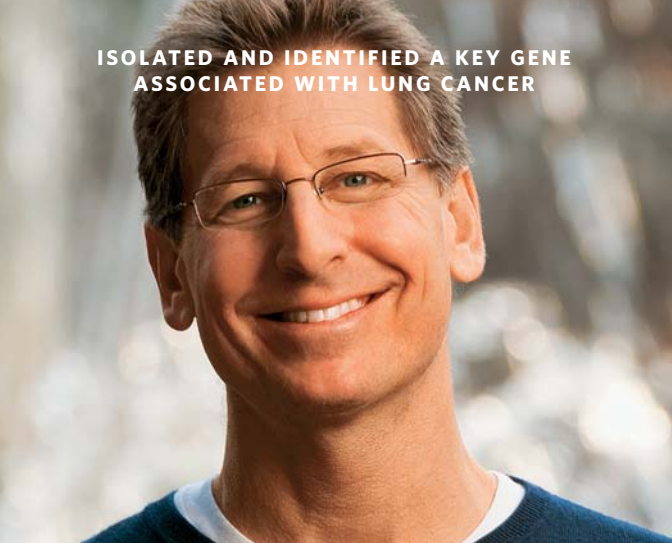


**STUDYING RE-ENGINEERING STEM CELLS  
TO CONFER HIV RESISTANCE**

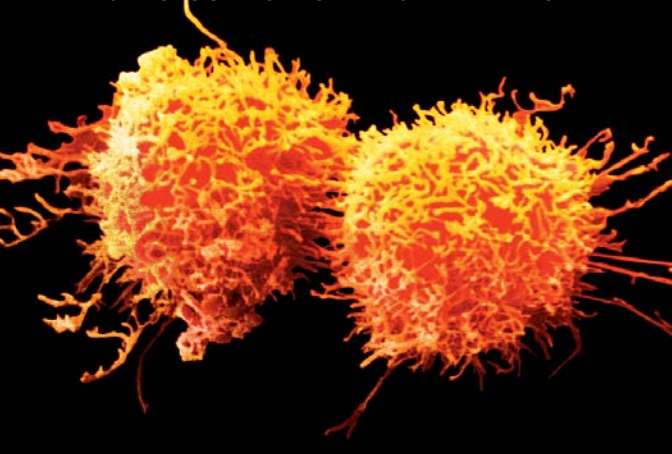


Science matters because people matter. Every discovery we make is a chance for a parent, a child, a spouse, a friend to live longer, better and more freely.

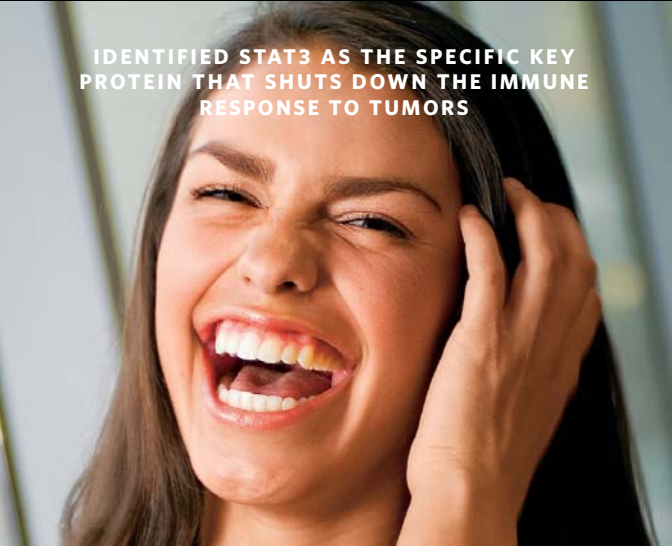
**ISOLATED AND IDENTIFIED A KEY GENE  
ASSOCIATED WITH LUNG CANCER**



**PIONEERED RECOMBINANT DNA  
TECHNOLOGY TO FIGHT B-CELL LYMPHOMA**



**IDENTIFIED STAT3 AS THE SPECIFIC KEY  
PROTEIN THAT SHUTS DOWN THE IMMUNE  
RESPONSE TO TUMORS**



**“There is no profit in curing  
the body if, in the process,  
we destroy the soul.”**

Samuel H. Golter  
Executive Director from 1926 to 1953



Taught how to turn their natural inquisitiveness into effective research strategies, our students are equipped to transform the landscape of modern medicine.

## EDUCATION

Scientific breakthroughs don't just happen. They rely on men and women with the fortitude and intellectual curiosity to address fundamental questions in life sciences and biomedicine. The kind of thinkers that would rather question than assume are the kind of thinkers that can turn an elusive clue into a major discovery. These are the people City of Hope is training to transform the future of modern medicine.

City of Hope's accredited Graduate School of Biological Sciences educates students in the real world. Laboratories are classrooms and renowned scientists are teachers and mentors. From the start, our students pursue their own areas of interest as they participate in ongoing research that might be applied to the treatment and possible cure of life-threatening diseases. Intensive and academic, our graduate and postgraduate program instills investigative

dexterity in the next generation of leaders in molecular biology, immunology, molecular medicine and neurosciences.

Our educational endeavors extend beyond our students. Through seminars, literature, continuing medical education and public events, we address issues that profoundly affect our patients, medical professionals and other members of the community.



The recent opening of the 347,000 square foot, \$220 million Helford Clinical Research Hospital at City of Hope was the culmination of rigorous scientific, clinical and fundraising efforts.

## SUPPORT

City of Hope exists because 300,000 donors, volunteers and industry partners believe in the work we do. And they support their belief with time and resources. Today, City of Hope is the standard-bearer of cancer centers, due in large part to the generosity of a committed group of philanthropists from across the country. Through bequests, gift annuities, charitable remainder trusts, fundraising events and other donations, these individuals and organizations have helped us emerge as a national leader in biomedical research and treatment.

Accelerating the pace to discovery requires an equally innovative and fluid infrastructure. Breaking ground in 2007, City of Hope's Arnold and Mabel Beckman Center for Cancer Immunotherapeutics and Tumor Immunology demonstrates our pursuit of, and belief in, translational research. Researchers in the Arnold and Mabel Beckman Center will be able to

conceive of and develop new treatments in the lab, manufacture them, administer clinical trials, evaluate the effects of the treatments, and further refine the products for additional trials — all within this single facility.

Nearly a century in the making, City of Hope's legacy has touched the lives of men, women and children throughout the world. And, because of people who value both our science and our compassion, we will continue to do so in the century ahead.

# CITY OF HOPE

## Facilities

Beckman Research Institute

*A national research center for medically relevant basic sciences*

Helford Clinical Research Hospital at City of Hope

*Brings new and emerging therapies to the immediate aid of patients; opened 2005*

Center for Biomedicine & Genetics

*Licensed to manufacture FDA-approved biologicals for clinical trials*

Graduate School of Biological Sciences

*Accredited graduate training for tomorrow's scientists*

Islet Cell Resource Center

*One of only seven federally funded facilities responsible for processing and distributing islet cells to transplant programs around the country*

Leslie and Susan Gonda (Goldschmied) Diabetes and Genetic Research Center

*A comprehensive diabetes and endocrinology program*

Arnold and Mabel Beckman Center for Cancer

Immunotherapeutics and Tumor Immunology

*Groundbreaking 2007*

## Institutional Distinctions

Comprehensive Cancer Center as designated by the National Cancer Institute

## Campus

110+ acres of landscaped grounds just north of Los Angeles

## People

500+ physicians, scientists and staff researchers

2,500 employees

300,000 volunteers and donors worldwide

## Contact

800.826.HOPE

[cityofhope.org](http://cityofhope.org)



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