



# Impacting Lives Everywhere

City of Hope is a biomedical research and patient care center dedicated to the prevention, treatment and cure of cancer and other life-threatening diseases. We are one of 39 National Cancer Institute-designated comprehensive cancer centers, certifying our superior depth and range of research integrating our laboratory, clinical and population science initiatives. Not content to merely solve the mysteries of disease, we share our findings and tools with scientists around the globe. Our aim is to ensure that the promise of those answers — more effective and powerful therapies — reach the bedside of all patients in need. A glimpse of our medical impact, outreach and collaborative efforts are captured below.



## Technology Teamwork Teaching Transformation

### Live-Saving Technology Benefiting Patients Everywhere



- Our patented research processes led to the creation of the four top cancer-fighting drugs:
  - Herceptin** for breast cancer
  - Rituxan** for Non-Hodgkin’s lymphoma
  - Avastin** for colorectal cancer
  - Erbix** for colorectal cancer
- Recombinant DNA technology developed at City of Hope led to **Humulin — a type of synthetic insulin** that is now used by millions of people with diabetes around the globe.
- Advancing the fight against acute myeloid leukemia, City of Hope science was used to develop the **chemotherapeutic drug Mylotarg**.

- The first fully human monoclonal antibody, Vectibix**, was devised using City of Hope research to treat metastatic colorectal cancer.
- Designed to slow the progress of multiple sclerosis and decrease the number of flare-ups, research developed by our lab scientists was used to create **the drug Tysabri**.
- Targeting age-related macular degeneration, City of Hope research formed the basis of **the drug Lucentis**, a standard treatment today.

- City of Hope created **200 unique U.S. patents** across a variety of **medical processes and biologics** for the treatment of several life-threatening illnesses.



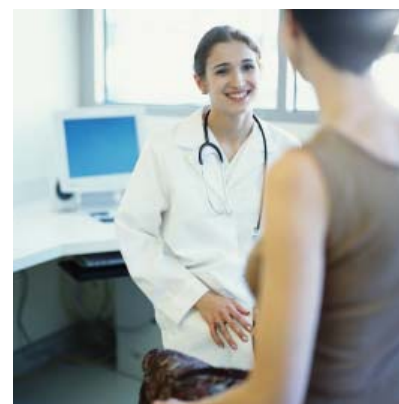
## Teamwork Accelerating Scientific Progress Across the Planet

- Islet cells taken from healthy pancreatic donors may provide new hope for patients suffering from diabetes. **City of Hope's Southern California Islet Cell Resource Center**, sponsored by the National Institutes of Health and the Juvenile Diabetes Research Foundation, **is the most active islet cell resource center in the nation. We have distributed more than 13 million islets to 91 investigators at 65 centers across the country to support basic science research.**
- In the first-ever National Institutes of Health-sponsored training program focused on clinical cancer genetics research, City of Hope researchers will **share their genetics science and discoveries with participating doctors**, shaping the direction of care everywhere.
- With genetic engineering and cellular processing capabilities onsite since 2000, City of Hope **manufactured and shipped one-of-a-kind biologics to 16 research centers across the nation** for wide-ranging life-saving scientific pursuits. This unique facility is unparalleled at any academic institution in the country.

In 2008, City of Hope collaborated with other U.S. academic centers **to create a cooperative network of biologics manufacturers, providing a common resource of high-quality biologic products and expertise**, ensuring capacity to meet the needs of U.S. scientists.
- Every year, our researchers are engaged in **over 550 collaborative research studies** spanning the world.

## Teaching That Raises Research and Treatment Standards Globally

- **City of Hope conducts an average of 700 accredited educational activities each year, reaching nearly 11,000 health care professionals from all around the country.**
- Through the Clinical Data Interchange Standards Consortium, **we assist researchers around the globe to create more efficient, safe and accurate clinical trials that are.** This group creates uniform standards for the global management and reporting of clinical research data — a common information language for scientists worldwide.
- Our highly trained medical team is recognized in the field of prostate surgeries, particularly minimally invasive approaches that enhance patient healing. Dedicated to expanding the reach of their knowledge, **our surgeons conduct approximately 30 lectures internationally every year, bringing their laparoscopic and robotic-assisted laparoscopic expertise to hundreds of doctors, impacting patient care around the world.**



City of Hope  
Development Center  
1055 Wilshire Blvd., 12th Floor  
Los Angeles, CA 90017  
213-202-5735 [www.cityofhope.org](http://www.cityofhope.org)