

PROGRAMS AND FACILITIES

COMPREHENSIVE CANCER CENTER

A National Cancer Institute (NCI) Cancer Center since 1981, City of Hope received the prestigious “comprehensive” designation from the NCI in 1998, and it was renewed in 2004. This designation makes City of Hope one of only a few such centers in the United States that combines all facets of cancer research and care with the highest standards of excellence. An additional component of the NCI designation includes community outreach, education and population-based research. City of Hope’s recently created Division of Population Sciences addresses this by focusing on understanding the origins of cancer, as well as research to better comprehend long-term outcomes of treatment. City of Hope also sponsors community outreach and education forums targeting both health-care professionals and the public. Through all of these activities combined, NCI-designated cancer centers, like City of Hope, play an important role in their communities, influencing standards of cancer prevention and treatment.

BECKMAN RESEARCH INSTITUTE

With a staff of more than 545, including nearly 80 principal scientists, City of Hope’s Beckman Research Institute is one of the nation’s premier centers for groundbreaking biomedical research. City of Hope scientists undertake fundamental investigations in molecular genetics and cellular biology; they study normal and abnormal biological processes, including mutagenesis and DNA repair, cell differentiation and early development, inter- and intracellular signaling, RNA processing and genome structure. These scientists have achieved major advances in recombinant DNA technology, monoclonal antibodies, gene therapy and radioimmunotherapy. The divisions of Biology, Immunology, Neurosciences, Molecular Medicine, Molecular Biology, Virology and Cancer Immunotherapeutics

and Tumor Immunology, and the departments of Gene Regulation and Drug Discovery, Surgical Research and Radiation Biology provide the framework for the institute’s work.

NATIONAL MEDICAL CENTER

The National Medical Center is the place where more than 138 physicians representing 25 board-certified specialties help bring City of Hope’s research full circle. Here, new and promising treatment options are made available to patients long before they become available in the community. At any given time, City of Hope conducts more than 300 clinical studies, involving 40 percent of its eligible patients. The national average is less than 5 percent.

Helford Clinical Research Hospital at City of Hope, which opened in 2005, began a new chapter in City of Hope’s mission of bringing cures to people battling cancer and other life-threatening illnesses. This state-of-the-art facility is the culmination of decades of scientific, clinical and fundraising efforts. It embodies the organization’s medical and technological expertise and treatment approaches.

CENTER FOR BIOMEDICINE & GENETICS AND THE SYLVIA R. & ISADOR A. DEUTCH CENTER FOR APPLIED TECHNOLOGY DEVELOPMENT

Made possible by generous support from the National Office Products Industry, the Center for Biomedicine & Genetics (CBG) is licensed by the state and federal government to produce pharmaceutical-grade therapeutic compounds. This provides a cost-effective way to expedite the delivery of experimental biological therapies to patients. City of Hope established the CBG to ensure that its technological innovations are efficiently translated from the research lab to the clinical setting, while allowing scientific and clinical investigators the

freedom to test and refine the most promising new therapeutics. As a National Gene Vector Laboratory, the CBG is also responsible for the production of plasmid DNA vectors for federally funded gene therapy research. In recognition of their generous gift, the first floor of the CBG facility is named the Sylvia R. & Isador A. Deutch Center for Applied Technology Development.

GENERAL CLINICAL RESEARCH CENTER

The General Clinical Research Center (GCRC) at City of Hope, a partnership with the University of Southern California, is one of only 59 centers nationwide funded by the National Center for Research Resources of the National Institutes of Health. The GCRC provides an optimal setting for medical investigators to conduct safe, controlled, state-of-the-art inpatient and outpatient studies. GCRC resources include highly trained research personnel, a core laboratory, a bioinformatics system and a metabolic kitchen. The GCRC research staff includes nurses, dietitians, biostatisticians, skilled technicians and administrative personnel to help investigators by facilitating the day-to-day research process and assisting the research patients in a supportive and efficient environment.

GRADUATE SCHOOL OF BIOLOGICAL SCIENCES

For 13 years, City of Hope's accredited Graduate School of Biological Sciences has provided a unique training ground for tomorrow's scientists. It offers postgraduate training in molecular biology, immunology, molecular medicine and neurosciences, including academic classes and intensive laboratory research. Working toward the completion of their doctoral degrees, students have access to state-of-the-art facilities and shared resources to facilitate their research and are able to collaborate alongside faculty who are experts in their fields.

CITY OF HOPE • BANNER GOOD SAMARITAN BONE MARROW TRANSPLANTATION (BMT) PROGRAM

In partnership with Banner Health System, City of Hope has built a successful satellite BMT program in Phoenix, serving area residents. This joint program has been designated as a member of the Southwest Oncology Group, one of the largest of the National Cancer Institute-supported cancer clinical trials cooperative groups in the United States. This provides patients with access to key clinical trials and research protocols.

SOUTHERN CALIFORNIA ISLET CELL RESOURCE CENTER

Housed in the Leslie and Susan Gonda (Goldschmied) Diabetes and Genetic Research Center, the Southern California Islet Cell Resource (SC-ICR) center is one of only seven islet cell resource (ICR) centers funded by the National Institutes of Health. City of Hope performed the most islet transplants in the U.S. in 2004 and 2005 and distributed the largest number of islets to basic science programs throughout the U.S. since 2004. During the most recent funding period of the ICR program, City of Hope was the only center funded in the western U.S. In May 2004, City of Hope became the first islet transplant center without a whole organ transplantation program to become a member of the United Network of Organ Sharing. Additionally, in 2006, City of Hope was designated an islet cell transplant center by the Juvenile Diabetes Research Foundation, making it one of only 14 institutions in the U.S. to receive this distinction and the only one in Southern California. The center also offers a total-care diabetes and endocrinology program and has helped millions of diabetics worldwide who benefit from synthetic human insulin developed through research conducted at City of Hope.