

## 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. The institute renewed the designation in 2004 and 2008. City of Hope is one of the few United States centers combining all facets of cancer research and care along with community outreach, education and population-based research. The Department of Population Sciences contributes to this effort by focusing on cancer origins and evaluating long-term treatment outcomes. City of Hope also sponsors community education forums targeting professionals and the public. Overall, NCI-designated cancer centers like City of Hope significantly influence community standards of cancer care.

### BECKMAN RESEARCH INSTITUTE

With a staff exceeding 550, including nearly 75 principal investigators, Beckman Research Institute of City of Hope is a premier center for biomedical research. City of Hope scientists undertake research in molecular and cell biology and study processes such as DNA repair, cellular differentiation, development, signaling and RNA processing. These scientists have made major advances in recombinant DNA technology, monoclonal antibodies, gene therapy and radioimmunotherapy. The institute includes the departments of Cancer Biology,

Cancer Immunotherapeutics and Tumor Immunology, Diabetes and Metabolic Diseases Research, Immunology, Molecular Biology, Molecular Medicine, Neurosciences, Population Sciences and Virology.

### **MEDICAL CENTER**

The Medical Center includes more than 150 staff physicians representing 26 board-certified specialties. New treatments are offered to patients at the Medical Center long before they become widely available. At any given time, City of Hope is conducting more than 300 clinical studies, involving 30 to 40 percent of eligible patients. The national average is less than 5 percent.

The ultra modern City of Hope Helford Clinical Research Hospital, 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 and culminates decades of scientific, clinical and fundraising efforts.

### **THE SHERI & LES BILLER PATIENT AND FAMILY RESOURCE CENTER**

Established in 2007, the Sheri & Les Biller Patient and Family Resource Center, offers a comprehensive range of support services to patients and their families and friends. These include spiritual and healing arts programs, support and problem-solving groups, information on nutrition and complementary medicine, rehabilitation, pain management and palliative medicine, psychosocial counseling, social work and end-of-life services. The center provides patient navigators — highly trained psychosocial specialists and guides for patients and families to help them get the assistance they need to support their treatment and quality of life. The Biller Patient and Family Resource Center's physical space opened in the fall of 2008. The 3,000-square-foot area features rooms for activities such as yoga and support group meetings, a patient library featuring computers, books and healing music collections, and meditation space.

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

Made possible by the generous support of the National Office Products Industry, the Center for Biomedicine & Genetics (CBG) is licensed by the state and federal government to produce pharmaceutical-grade therapeutics cost-effectively to expedite delivery of novel treatments to patients. City of Hope established the CBG to ensure that technological innovations are efficiently translated from laboratory to treatments. In recognition of the Deutches' support, 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 31 centers nationwide funded by the National Center for Research Resources of the National Institutes of Health. The GCRC allows investigators to conduct safe, state-of-the-art, inpatient and outpatient studies. GCRC resources include specially trained research personnel, a core laboratory, a bioinformatics system and a metabolic kitchen. Its staff includes nurses, dietitians, biostatisticians, technicians and support personnel to facilitate research and assist patients.

### **IRELL & MANELLA GRADUATE SCHOOL OF BIOLOGICAL SCIENCES**

For 15 years, City of Hope's accredited Graduate School of Biological Sciences has trained tomorrow's scientists, offering postgraduate education in molecular biology, immunology, molecular medicine and neurosciences, including classes and laboratory research. As they complete their Doctor of Philosophy degrees, students undertake research in state-of-the-art facilities and collaborate with faculty mentors who are experts in their fields.

#### **CITY OF HOPE-BANNER BONE MARROW TRANSPLANT (BMT) PROGRAM**

Partnering with Banner Health, City of Hope has a successful satellite BMT program serving patients in Phoenix. This program has been designated 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. The program allows patients access to key clinical trials and research protocols.

#### **LESLIE & SUSAN GONDA (GOLDSCHMIED) DIABETES & GENETIC RESEARCH CENTER**

City of Hope investigators continue to expand their efforts to advance the treatment of diabetes and its complications. Since 2004, the Southern California Islet Cell Resource Center, one of only seven islet cell resource Centers funded by the National Institutes of Health, has distributed the largest number of islets to basic science programs across the country. In 2008, this effort was recognized by the Juvenile Diabetes Research Foundation (JDRF), who selected City of Hope as a Basic Science Islet Distribution Center to prepare islets for JDRF-supported research projects. City of Hope is also designated as a JDRF islet cell transplant center, the only one in Southern California. Additional JDRF grant funds have been awarded during the past year to develop a new approach to image islets after they have been transplanted into the liver with collaborating scientists at Caltech. Another major grant award was received from the JDRF to study how genetic changes can lead to diabetes complications. The center also offers a comprehensive diabetes and endocrinology program, and it has helped millions of patients with diabetes benefit from synthetic human insulin developed through research conducted at City of Hope. ■