



SHARING DISCOVERIES THAT MAKE
DOCTORS AND PATIENTS EVERYWHERE BETTER

UC DAVIS CANCER CENTER

With your help, eliminating the suffering and death from cancer

The UC Davis Cancer Center needs your help to continue meeting the needs of the region's families and achieve its full potential for developing new cancer treatments and methods of diagnosis. Over the past 15 years the UC Davis Health System has invested more than \$90 million in building one of the nation's leading cancer programs. In 2004, the Cancer Center treated more than 8,000 adults and children and received more than \$64 million in external funding for research.

To continue developing its clinical and research programs, the Cancer Center embarked on a \$35 million fundraising initiative two years ago. To date, individuals and foundations have contributed and pledged \$12.5 million to this effort. The goal over the next three years is to raise an additional \$22.5 million.

We can achieve our ambitious goals only with your support. In these pages we would like to share with you some reasons why you should consider contributing whatever you can to the UC Davis Cancer Center.

Excellence in Cancer Research

In February 2005, the National Cancer Institute, the world's leading authority on cancer treatment and research, brought 23 of the nation's top cancer scientists and physicians to Sacramento to conduct a thorough, two-day assessment of the UC Davis Cancer Center and determine if it should remain an officially designated NCI cancer center.

NCI designation is highly significant. Of the nation's 6,300 hospitals, only 61 have achieved this prestigious

recognition. UC Davis Cancer Center, first designated in 2002, is the newest member of this select group. It is the only cancer center in our

region to have won this distinction.

The common denominator of all successful NCI cancer centers is excellence in research, with a demonstrated ability to make significant contributions to the nation's cancer agenda. Other essential characteristics include exceptional institutional commitment, leadership and facilities in an environment that promotes multidisciplinary collaboration.

| Project | Fundraising Goal | Contributed to Date | Estimated Cost of Project |
|--|---------------------|-----------------------|---------------------------|
| Clinic expansion and increased research capabilities | \$20 million | \$5 million | \$50 million |
| Research endowments | \$15 million | \$7.5 million | \$15 million |
| Totals: | \$35 million | \$12.5 million | \$65 million |

About the Center

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To win renewal of its NCI designation, the UC Davis Cancer Center demonstrated excellence in all of these categories, especially in:

- Breadth and depth of scientific leadership
- Highly unique collaborative research programs with Lawrence Livermore National Laboratory and the UC Davis School of Veterinary Medicine, and
- Extraordinary long-term institutional commitment in building a world-class cancer center

Renewal of our NCI designation, announced in the summer of 2005, comes with five more years of core operating support for Cancer Center administration, shared scientific resources and early stage research. This support will allow UC Davis to continue developing exceptional cancer research, treatment and prevention programs.

Scientific Contributions

But NCI designation means much more than having a source of operating support. It provides the crucial stamp of approval necessary to attract increasing public and private research funding. Since receiving designation in July 2002, funding for cancer research at UC Davis has soared from \$42 to \$64 million per year. At present, nearly 200 Cancer Center scientists are engaged in more than 300 unique research projects aimed at defeating cancer. Highlights of their contributions in recent years include:

- Development of SHALs – synthetic nano-structures that can be tailor-made to infiltrate and disable cancer cells
- Development of a micro-PET imaging system that is small enough to image laboratory mice and allows researchers to multiply the knowledge they can gain from animal models for cancer
- Identification of biomarkers for early detection of various cancers, including one biomarker for the early diagnosis of ovarian cancer
- Development of a novel antibody effective against lymphoma, currently in clinical testing

We expect our annual cancer research funding to exceed \$100 million within five years. Our contributions to cancer breakthroughs will likely increase as well.

However, a major obstacle stands in the way: a shortage of laboratory space. Not only do our current researchers need more space to expand their efforts against cancer, but we also need additional space to recruit new colleagues with strengths that complement our existing programs. To move forward we need your help.

Significance of Research Endowments

Research endowments are critical to further developing the exceptional research programs that have been established at UC Davis Cancer Center. Endowments are assigned to exceptional research faculty who hold endowed chairs. These chairs are highly prestigious and provide significant recruitment and retention incentives for national research leaders.

Proceeds from endowments provide chair-holders with an annual source of funding that can be used for a variety of program purposes, including:

- Seed money for early stage research
- Recruitment of promising young researchers (both faculty and fellows)
- Sending program faculty, fellows and residents to international conferences
- Bringing guest lecturers and international speakers to UC Davis

All of these enhance the effectiveness of exceptional faculty members and are critical to building successful, nationally recognized research programs.

The Cancer Center is committed to establishing endowed chairs in the following areas of cancer research excellence:

| Research Areas | Fundraising Goal |
|-------------------|---------------------|
| Basic Science | \$1.5 million |
| Breast Cancer | \$1.5 million |
| Clinical Research | \$1.5 million |
| Lung Cancer | \$1.5 million |
| Pediatric Cancer | \$1.5 million |
| Prostate Cancer | \$1.5 million |
| Genetics | \$3.0 million |
| Immunology | \$3.0 million |
| Totals: | \$15 million |



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Clinic Expansion

Along with the growth in the amount of cancer research being conducted at UC Davis, there has been a corresponding increase in the number of patients seeking state-of-the-art cancer care. In 2004, more than 8,000 adults and children were treated for cancer at UC Davis and that number is projected to increase by 50 percent to more than 12,000 by 2014.

In order to accommodate this rapid increase and to incorporate children's cancer services into the Cancer Center Clinic, UC Davis will double the size of its clinical cancer facilities over the next ten years. The planned expansion is a two-phase project that will result in an 80,000-square-foot extension of the clinical care facility in Sacramento. The first phase, at an estimated cost of \$30 million, will be a three-story building tied to the existing cancer clinic through an enclosed walkway.

The first floor of the new building will contain the new children's cancer clinic and a pediatric infusion center. Our pediatric oncology programs are currently

located at two separate sites on the UC Davis Medical Center campus. Integrating these programs into the Cancer Center Clinic is one of the most significant components of the clinic expansion project. It will contribute to increased collaborations between adult and pediatric oncologists and make ancillary services, such as infusion and radiation therapy, more easily accessible to children and their families. The second floor will house the adult clinic and the third floor will include an adult infusion center and the cancer clinic pharmacy.

There is an urgent need to complete this project because the current facility cannot support the increased numbers of cancer patients seeking care at the Cancer Center. The site has been selected, detailed plans have been developed and substantial internal and external funding has been secured for the project. The Wayne and Gladys Valley Foundation made a \$5 million grant in support of the project. With an additional \$10 million in contributions, construction can begin immediately and be completed within three years.



Leadership Profile

RALPH deVERE WHITE, M.D.

Director, UC Davis Cancer Center
Professor and Chair, Department of Urology
Assistant Dean, Cancer Programs

- M.D., Dublin University in Dublin, Ireland
- President-elect of the American Urological Association's Society of Urologic Oncology
- Member of the American Association of Genitourinary Surgeons, a prestigious professional society comprised of specialists who have made outstanding contributions to urology
- Heads a prostate cancer research laboratory known for its pioneering investigations into the biomolecular mechanisms that make some prostate cancers more virulent than others
- Editor of the *World Journal of Urology*

Initiative Chair



JIM OTTO

- Former Oakland Raiders All-Pro center (currently on Oakland Raiders staff as special assistant)
- Member, National Football League Hall of Fame
- Successful businessman (former rancher, restaurant owner)
- Prostate cancer survivor
- Has raised more than \$360,000 from his annual golf tournament in Auburn
- With wife, Sally, has made personal pledge commitment to the Cancer Center capital and endowment initiative

ELIMINATING THE SUFFERING AND DEATH FROM CANCER

Vision and Needs

- Expanded cancer clinic: Phase One will create adult and pediatric exam rooms and infusion center; Phase Two will support the clinical research program and radiation oncology
- Endowed chairs in basic science, clinical research, prostate cancer, breast cancer, lung cancer and pediatric cancer
- Cancer genetics endowment to build a program that will harness expertise across the campus at Davis, the medical center campus and at Lawrence Livermore National Laboratory to advance the understanding of cancer genetics and potential gene-based therapies
- Cancer immunology endowment to build a program that will leverage the exceptional immunological resources in the UC Davis North-Central California Center for AIDS Research, the California National Primate Center housed at UC Davis and the UC Davis Center for Comparative Medicine



To learn more about these projects and the opportunities for giving, please contact Josephine Leung at (916) 734-9614 or josephine.leung@ucdmc.ucdavis.edu