

The Campaign for Animal Health and Welfare



"Animals give so much to mankind, it's only fitting that we give back something to them."

Randall B. Terry, Jr.

To our CVM Friends:

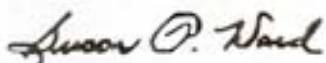
This progress report celebrates the resounding success of the Achieve! Campaign for the College of Veterinary Medicine. Serving as Chair of the Campaign for the College has been a rewarding and humbling experience. I've personally seen many of the dreams we have had for the future of veterinary medicine become reality.

Undoubtedly, in our most significant accomplishment, we have achieved our goal to expand and enhance our companion animal hospital with the construction underway on the Randall B. Terry, Jr. Companion Animal Veterinary Medical Center. With a gift from our friend, the late Randall Terry, appropriations from the NC legislature, and contributions of all sizes from many generous donors, we have begun to build what will be a state-of-the-art facility for companion animal health.

Other exciting goals have been met. We have our first endowed distinguished professorship; we have \$23,423,799 in new endowments for research and program support; and our clinical and research facilities in Southern Pines will be improved and expanded at the Equine Health Center there.

None of these milestones could have been possible without the support of people like you who entrust us with your four-legged friends, your financial appreciation, and your confidence in what we together can accomplish in the future. On behalf of the College of Veterinary Medicine and the North Carolina Veterinary Medical Foundation Board, thank you for making this Campaign successful in every meaningful way.

Sincerely,



Susan Ward

Campaign Chair

The Campaign

Initiated in conjunction with the North Carolina State University Achieve! Campaign, the Campaign for Animal Health and Welfare seeks to broaden the College community by the development and maintenance of relationships with new friends interested in supporting the important work undertaken in College clinics, laboratories, and classrooms.

The College of Veterinary Medicine (CVM) contributes to North Carolina's economy in several valuable ways. Through the education of veterinarians in basic and clinical sciences, a dedication to the health of animals, research leadership and excellence in veterinary medicine, and comprehensive veterinary medical services and outreach programs—the College makes valuable contributions to the state and nation.

Members of the CVM community are involved in national and international issues such as the tracking of animal-to-human infectious diseases, ensuring the bio-security and protection of the nation's food supply, preparing for and responding to disasters, and protecting the health of the ecosystem.

The College excels in research activities that support the health of all species. Biomedical research, a vital part of both human and veterinary medicine, has shown that animal health and human health are linked at the genomic level. CVM researchers embrace the scientific opportunities intrinsic to this "one medicine" concept. Whether the activity involves clinical trials in the Veterinary Teaching Hospital or cellular investiga-

tions in the laboratory, CVM scientists continue to solve health problems which affect both animal and human well-being.

This is an exciting era for veterinary medicine as today's professionals face challenges that were unknown to an earlier generation. The discipline touches every individual on a daily basis whether the contact is direct, as with domestic animals that serve as our pets or livelihood, or indirect through food safety or ecosystem health. Our well-being—as individuals and as a species—is closely tied to veterinary medicine as the profession plays a critical role in the fight against illnesses such as cancer, heart disease, infectious diseases, and respiratory diseases.

The finances needed to maintain the CVM education, research, and engagement programs are considerable. While the State of North Carolina provides a base of assistance, this appropriation alone is not sufficient. The strategic goal of the Campaign for Animal Health and Welfare is to secure the private funds necessary for the College of Veterinary Medicine to continue in the advancement of veterinary and human medicine.

Facilities

A \$20 million pledge, generously presented by the R.B. Terry Charitable Foundation, is the largest private gift ever to North Carolina State University. The pledge will help build a new hospital to be named in honor of the late Randall B. Terry, Jr.—businessman, newspaper publisher, philanthropist, and former president of the North Carolina Veterinary Medical Foundation (NCVMF). The new hospital, a focus for Mr. Terry during his term as NCVMF president, has become his legacy to the College of Veterinary Medicine.

Goal: \$15 million
Results: \$33 million

The Facility centerpiece of the successful Campaign for Animal Health and Welfare is the Randall B. Terry, Jr. Companion Animal Veterinary Medical Center. Expected to be completed in 2010, the \$72 million Terry Center will be a national model for excellence in companion animal medicine.

When the existing Veterinary Teaching Hospital (VTH) opened in 1983, the hospital had a maximum annual capacity of 12,000 cases. Last year, veterinarians referred 23,000 cases (20,100 companion animal and 2,900 equine) to be diagnosed and treated by hospital staff. In addition, veterinary medicine has witnessed a dramatic increase in medical technology and specialization. While quality, compassionate care has remained the hallmark of the VTH, the current facility

has restricted space available for faculty, staff, clients, programs, and equipment.

At 110,000 square-feet, the Terry Center will be more than twice the size of the VTH. In response to the growing trend toward specialization, the design of the innovative medical center will feature specialty pavilions for various clinical services and cutting-edge technologies for imaging, cardiac care, cancer treatments, internal medicine, and surgery.

Beyond the immediate care for small animals, the Terry Center will be instrumental in the further development of the Centennial Biomedical Campus and an environment that encourages College activity and growth. Focused efforts include biomedical research, agricultural security, food animal health and food safety, ecosystem health, animal welfare, and the education of the next generation of veterinarians and veterinary scientists.

In addition to the \$20 million pledge from the R.B. Terry Charitable Foundation, the Terry Center is also made possible in part by a \$38 million appropriation from the State of North Carolina. We eagerly seek additional private funds to be matched by a R.B. Terry Charitable Foundation challenge grant of up to \$5 million to complete this facility.

Needs and opportunities:

- Wellness Center
- Equine Health Program facilities in Southern Pines and Raleigh
- Student Learning Commons
- Kenan Medical Library
- Laboratory facilities



Programs

Charlotte businessman and horse enthusiast Jim Codgell helped advance the Equine Health Program through a challenge grant. The grant directly supports a \$600,000 effort to improve the Equine Health Center at Southern Pines (EHC-SP) reproduction and ophthalmology programs and provide other EHC-SP enhancements including a new 12-stall barn, paddock expansion for breeding services and CEM quarantine, road improvements to access the new barn, and increased instructional and meeting space.

Goal: \$11 million
Results: \$22.3 million

The College works in six primary areas to ensure the health and well-being of all animal species:

- Animal Welfare
- Biomedical Research
- Companion Animal Health
- Ecosystem Health
- Equine Health
- Food Animal Health

Animal Welfare—Current animal welfare concerns include the effect of global urbanization; the treatment of animals in food production; the pet overpopulation crisis and the burden it places on overcrowded shelters; clinical and laboratory research involving animal models; and the rescue and care of animals in emergencies.



Biomedical Research—A critical component of veterinary and human medicine, biomedical research has proven that the health of animals and humans is intertwined at the genomic level. College researchers embrace the scientific opportunities inherent in this “one medicine” concept.

Companion Animal Health— Companion animal medicine is at the heart of the veterinary profession.

Consequently, companion animal medicine is a key program at the College, where the Veterinary Teaching Hospital (VTH)

diagnoses and treats more than 20,000 small animal cases annually.

Ecosystem Health— The concept encompasses the water we drink, the air we breathe, the land upon which we live, and all of the creatures, big and small, with whom we share this planet. Veterinarians are essential in maintaining Earth’s varied ecosystems.

Equine Health— The Equine Health Program, which treats some 2,900 cases annually, is one of the most respected in the country, receiving acclaim for equine laser treatment; reproduction; sports medicine; gastrointestinal research; surgery; ophthalmology; and ultrasound, magnetic resonance, and nuclear scintigraphy imaging.

Food Animal Health— The College is a recognized leader in food animal veterinary education, research, and industry engagement. From the “farm to the fork,” the College supports the safety of the U.S. food supply through several specialty programs.

Needs and opportunities:

- Global Health Initiative
- Shelter medicine
- CVM International Programs
- Disaster preparedness
- Environmental Medicine Consortium

Faculty

Terry G. Seaks, in honor of his wife, established the Jane Lewis Seaks Distinguished Professorship for Companion Animal Medicine—the College’s first endowed distinguished professorship. The couple became involved with the College following the care their cats received from the Veterinary Teaching Hospital. A member of the North Carolina Veterinary Medical Foundation, Mr. Seaks established the endowed professorship to “help retain and attract faculty that have enabled the CVM to rank consistently among the top veterinary programs in the nation.”

Goal: \$7 million
Results: \$12.8 million

Much of the success the College has experienced is a result of the caliber of the 155-member faculty. It is the reputation of the faculty—based on individual initiatives, accomplishments, and earned international recognition by colleagues—that is instrumental in establishing the strength and vitality of a leading veterinary medicine program.

The primary role of the faculty is to prepare the next generation of veterinarians and veterinarian research scientists. The beneficiaries of this instruction are charged with protecting the health of domestic and wild animals, ensuring the safety of the U.S. food supply, conducting biomedical research to

benefit both animals and humans, investigating animal-to-human diseases, and undertaking other efforts to enhance animal as well public health.

In addition to teaching, faculty members are involved in conducting internationally significant laboratory research with practical applications for animal health, agribusiness, and human health. College scientists develop beneficial relationships with external

funding agencies—government and private sector groups—that bring in much needed research dollars. Faculty members

conduct national clinical trials and diagnose and treat more than 23,000 combined small and large animal cases annually at the Veterinary Teaching Hospital. The CVM faculty also helps conduct continuing education seminars for practicing veterinarians and participate in numerous public service activities.

Many faculty members have adjunct appointments at the University of North Carolina at Chapel Hill, Duke University, and other institutions where they work with colleagues on biomedical investigations of mutual interest. Faculty members also are appointed and serve with distinction within various state and federal government bodies, leading non-government organizations, and numerous professional groups.

Obviously, the role faculty members play in ensuring a dynamic intellectual environment is critical, and attracting and retaining leading faculty continues to be a priority for the Campaign for Animal Health and Welfare.

Needs and opportunities

- Endowed professorships
- Stipends for individual research
- Faculty retention and recruitment
- Support for faculty projects
- Starter grants for promising new faculty



Research

Through a recent gift, Novartis Animal Health US, Inc., is helping support the Clinical Trials Program (CTP) within the Center for Comparative Medicine and Translational Research. The Novartis gift will fund a clinical trials veterinarian, a veterinary research technician, and laboratory space and equipment dedicated to supporting clinical research studies in the Veterinary Teaching Hospital (VTH). The CTP affords investigators the opportunity to evaluate novel approaches to diagnose and treat disease and deliver solutions to enhance animal and human health. There are current investigations in several VTH specialty services including Cardiology, Dermatology, Internal Medicine, Neurology, Oncology, Pain Management, and Surgery.

Goal: \$10 million
Results: \$19.8 million

More than 200 individuals including faculty, staff, and students are engaged in numerous investigations within the College. Research expenditures exceed \$13 million annually and encompass different departments, centers, and functions as well as a variety of disciplines including genomics, pulmonary biology, infectious diseases and immunology, and chromosomal mapping.

The Center for Comparative Medicine and Translational Research (CCMTR) is one example of a collaborative research effort focused on the intersection of animal and human diseases. More than 100

CCMTR researchers, representing five NC State University colleges, recognize that complex issues affecting animal and human health are better addressed by the interdisciplinary “one medicine” approach. The ability of the CCMTR to provide an environment of innovation and unique expertise is expected to speed the development of novel ways to diagnose and treat disease.

The CCMTR includes 33 state-of-the-art laboratories. Current investigations involve gene therapy, vaccine development, creation of diagnostic tests, new cancer immuno-therapy, and genetic research to prevent inherited and acquired diseases in livestock and companion animals.

The College’s commitment to biomedical research—a critical component of veterinary as well as human medicine—is embodied in the concept of the Centennial Biomedical Campus (CBC). The emerging CBC is situated to attract industry, government, and entrepreneurial partners from Research Triangle Park as well as biomedical researchers from nearby hospitals, clinics, and other universities. These investigators will work alongside CVM scientists and students to foster medical advancements which support the well-being of all species.

Needs and opportunities

- Jimmy V–NC State Cancer Therapeutics Training Program
- CCMTR Clinical Trials Program
- Cancer research
- Fund for Discovery



Students

The Estate of Stacy L. Holland has funded the Holland Family Scholarship, a program Mr. Holland established to support veterinary students, particularly those involved in shelter medicine. An avid animal lover, Mr. Holland was especially interested in the dual success of the CVM partnership with the Wake County animal shelter in training the next generation of shelter veterinarians while providing critical spay/neuter surgery for homeless animals. Mr. Holland's forethought and generosity have made it possible for students interested in shelter medicine—which often does not pay as well as private practice—to be less deterred by student debt load.

Goal: \$4 million
Results: \$6.3 million

The College of Veterinary Medicine, North Carolina State University's only professional school, exists to provide an excellent education to students seeking the Doctor of Veterinary Medicine degree and graduate students seeking master and doctoral degrees in various specialties.

Entry into the DVM program is highly competitive. Not only is the class size limited to 80 or fewer students, there are only 28 colleges of veterinary medicine in the nation. In comparison, there are 130 medical schools in the United States with an average class size of 139.

The faculty, staff, and administration of the College have created a challenging and meaningful academic program designed to prepare graduates for varied and broad careers in veterinary medicine. Students are exposed to a broad-based curriculum covering all facets of veterinary medicine—and all species.

While some program graduates enter into private practice immediately upon receiving the DVM degree, others continue their training through an internship, a residency program, or a graduate program. The College also awards a Master of Veterinary Public Health, a Master of Specialized Veterinary Medicine, a combined DVM/MBA, a combined DVM/PhD, and both MA and PhD degrees in Comparative Biomedical Sciences, Fisheries and Wildlife, Immunology, and Physiology.

The students are highly motivated but their professional training is long—as long as 12 years when a residency, internship, and post-graduate studies are undertaken following the four-year DVM program. Financial support is a concern since the average DVM student graduates with a \$91,000 debt and a starting salary of \$47,000.

In the past decade, the North Carolina Veterinary Medical Foundation has created some 60 endowments and accumulated more than \$11.2 million in scholarship support. Through the recent Achieve! Campaign, the College has raised more than \$6.3 million for student support. Yet 84% of CVM students still need loans.

Needs and opportunities

- Equine scholarships
- Food Animal Scholars Program
- Support for House Officers
- Travel opportunities and stipends
- Student research funding.



Unrestricted

In an iconic scene off the Beltline, Holstein cows graze in the fields surrounding the College of Veterinary Medicine. A pastoral setting which many equate with the CVM, this farm also serves a vital role in the education of future veterinarians. All students are exposed to the Teaching Animal Unit, or TAU, a working farm unique to the College that provides training in the fundamentals of livestock management and care.

Small animal practitioner Dr. Sandy Albright, CVM Class of 1987, remembers the TAU fondly and believes it was critical

to the well-rounded veterinary medical education she received. Thanks to Dr. Albright's generous annual support and other unrestricted gifts to the College, distinctive educational components like the TAU can continue to operate and expand.

Gifts in the form of unrestricted support are particularly valuable to the success of numerous programs and activities within the College of Veterinary Medicine. This is because donations made without a specific designation give College leadership the flexibility to direct critical financial support to the areas of greatest need.

The desired support may be for valuable technical equipment, critical medical supplies, or important instructional materials. Unrestricted gifts also allow

the College to respond to changing requirements, urgent requests, or to take advantage of unanticipated opportunities to benefit students, faculty, or the CVM at large. Unrestricted giving can help the College maintain its commitment to keep programs functioning at a high level whether the immediate need is building maintenance or research support.

Unrestricted gifts can also be used as “seed money” to fund emerging programs that help the CVM meet the ever-changing societal demands for veterinary expertise. Unrestricted support, for example, has created summer study opportunities for DVM students in research labs, where discovering emerging diseases and cures is a focus. Unrestricted gifts have also helped pay for new advances in medical technology that enhance the care provided in the Veterinary Teaching Hospital and enrich the learning environment at the College.

Goal: \$3 million
Results: \$1.8 million

Opportunities:

- CVM Annual Fund - All Gifts Great and Small
- Dean's Discretionary Fund
- Walk of Honor



Dear Friends:

On June 30, 2008, NC State concluded the \$1.3 billion Achieve! Campaign – of which more than \$95 million was contributed through the College of Veterinary Medicine. The CVM total includes the largest single private gift in the history of NC State University – \$20 million from the R.B. Terry Charitable Foundation to help establish the Randall B. Terry, Jr. Companion Animal Veterinary Medical Center.

We initiated the Campaign for Animal Health and Welfare as our portion of the Achieve! Campaign in 2005 to help ensure the CVM has the resources necessary to address challenges and take advantage of opportunities involved in meeting society's evolving demands for veterinary expertise.

We asked for your support and you took action. Specifically, you raised \$33 million to renovate or build College facilities. You entrusted us with \$22.3 million in support of our programs in animal welfare, biomedical research, companion animal health, ecosystem health, equine health, and food animal medicine. You raised \$12.8 million to support our faculty, including the establishment of our first distinguished professorship. You dedicated \$19.8 million towards research that will have a far-reaching impact on areas such as cancer research and food safety. You contributed \$6.3 million in support of our students, making sure that financial need does not stand in the way of a promising veterinary career. And thanks to you we received \$1.8 million in unrestricted gifts, which gives the College the flexibility it requires to respond where the need is greatest.

The overall level of financial support we have received is gratifying. Another key aspect of the campaign for me, however, is that through it we have extended the CVM community. Our multifaceted program has attracted many new friends who are interested in the important work undertaken in our clinics, research labs, and classrooms. In the long run, raising friends who support our vision and mission is what ensures the continuing success of the College.

An enterprise as dynamic as the College of Veterinary Medicine, of course, has a perennial need for private support if we are to realize our potential. Through the ongoing Campaign for Animal Health and Welfare, we will continue to reach out to our friends, both old and new, and ask you to accompany us on our journey forward. Additionally, the North Carolina Veterinary Medical Foundation has established The Great Society annual donor recognition program (see next page for more details) in order to honor individuals and organizations that make leadership gifts and pledges to the College.

On behalf of the faculty, students, and staff of the College of Veterinary Medicine, I thank you for your continued interest and support.

Regards,



Warwick A. Arden
Dean

To our CVM Friends:

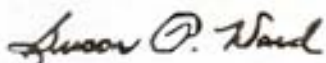
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Sincerely,



Susan Ward

Campaign Chair

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