

UC DAVIS

SCHOOL OF VETERINARY MEDICINE

75 Years of Excellence



PHOTO BY DON PREISLER, COURTESY OF UC DAVIS SCHOOL OF VETERINARY MEDICINE

Modulant Biosciences

BENEFITTING THE WORLD THROUGH VETERINARY MEDICINE

Picture: Tom Campi, DVM, MPVM, UC Davis Class of 1989 and Jeanine Campi. Tom and Jeanine have been married for 35 years.

Launched in 2022, Modulant Biosciences may be a young company, but it's backed by world-renowned experts who hold the very real promise of solving some of veterinary medicine's most pressing issues. Formed to take advantage of technology focused on cancer and chronic diseases currently being evaluated for human use, Modulant will develop antiviral and cancer-fighting drugs for use in pets and livestock.

"Our anti-cancer drug compounds, aimed at dogs and cats, are special in part because they fight multiple types of cancerous tumors — the first therapy that provides more than one answer," says Tom Campi, a principal in the company. "Proving them out in pets will fast-track them for humans as well."

Campi and his partner in Modulant are both veterinarians with advanced degrees and a combined 60 years of experience in drug development. Modulant's advisory group consists

of seven members from the realms of human biotech and veterinary drug development, all experts with M.D., D.V.M. and Ph.D. degrees.

"On the antiviral front, there are some diseases that kill our pets for which there are no vaccines and we're tackling that," Campi says. "Feline Infectious Peritonitis (FIP) is almost always fatal in cats, but we have compounds that are active against the virus that causes FIP that we will be testing to help save cats' lives."

For dogs, Modulant is currently working to fight canine parvovirus and canine influenza, both viruses that have outbreaks even in the face of vaccines. "We hope to conduct studies and have proof-of-concept data before the end of this year, with tests done in diseased animals showing positive results," Campi explains.

Modulant's current endeavors will benefit not only pets and livestock, but also aquaculture

"Our work may save beloved pets, but may well have world-changing health and economic benefits beyond that."

— TOM CAMPI, D.V.M.
PRINCIPAL IN MODULANT BIOSCIENCES

species such as salmon and shrimp, and plant crops suffering from viruses. "Our work may save beloved pets, but may well have world-changing health and economic benefits beyond that," Campi says.



CONTENTS



PHOTOS COURTESY OF UC DAVIS

5 Welcome

Dr. Mark Stetter, dean of the UC Davis School of Veterinary Medicine, is proud of the school's rich heritage and bright future as a leader in veterinary medicine

By Bill Sessa

15 Innovative Care

Leading research is improving care for humans as well as animals

By Jennifer von Geldern

8 A History of Excellence

UC Davis School of Veterinary Medicine celebrates 75 years of growth and innovation

By Jessica Hice

19 Leadership Here and Across the Globe

Diversity and parity are at the forefront of initiatives

By Ken Smith

12 Key Contributions

Philanthropic support is at a record high

21 Local Impact

Providing care throughout the region and beyond

By Lisa Kopochinski

Congratulations to the UC Davis School of Veterinary Medicine for 75 years of excellence!

The College of Agricultural and Environmental Sciences is proud to have played an important role in educating future leaders for generations.



WELCOME



Animals benefit our lives in countless ways. Many of us enjoy having the companionship of our pets, spend time riding horses or enjoy being outside with nature and wildlife. But we also benefit from animals in the food we consume and the medical breakthroughs that have improved our lives. The health of people and animals are deeply connected and we gain so much from sharing this planet with the animals around us.

When you think of animals and their health, I hope you immediately think about the School of Veterinary Medicine at UC Davis. We are having a milestone birthday and I want to invite you to help us celebrate 75 years of providing exceptional veterinary care, education and innovation that has benefitted the Greater Sacramento region and beyond.

Originally founded to meet the needs of livestock owners in California, the school has grown to become a game-changing veterinary medical center ranked no. 1 among the nation's veterinary schools. It has pioneered innovation in all veterinary hospitals and educational programs. In fact, we have the largest and most diverse residency training program worldwide, as well as the world's largest veterinary research program. Our hospital sees more than 50,000 patients annually and offers cutting-edge expertise in more than 35 specialties. Even if the animals in your life don't visit us at UC Davis, it is likely that your local veterinarians have received their training here. We're proud of our doctors of veterinary medicine graduates, who now total more than 7,000 across the world!

We're grateful for our ties to the Greater Sacramento region and thankful for the ways in which you've supported our One Health mission to improve the wellbeing of animals, people and the planet. We are here for everyone and have become the trusted experts to help animals and people in need. Whether it be oil spills, floods, wildfires, animal shelters or local veterinary outreach programs, our team is here to help.

In partnership with UC Davis Health, the veterinary school makes a difference in the lives of humans, too. Our researchers collaborate on scientific breakthroughs in areas such as cancer, spina bifida, ophthalmology, regenerative medicine and advanced imaging.

While I have only been at Davis and been able to experience the level of excellence in our programs for a small fraction of its history, I'm proud of our heritage and honored to guide the school as we move forward in leading veterinary medicine. I hope that you also share this sense of pride in having such a gem in your backyard.

Dr. Mark Stetter
Dean
UC Davis School of Veterinary Medicine

Teresa, class of 2020, lived and worked in the dairy barn as an undergraduate. She is now an animal health technician at the UC Davis Veterinary Medicine Teaching Hospital. This is just one example of how experiential learning helps prepare our students for life after college.

We are committed to enriching student education with research and learning inside and outside the classroom.



Support student learning and make a gift to the College of Agricultural and Environmental Sciences Experiential Learning Fund!

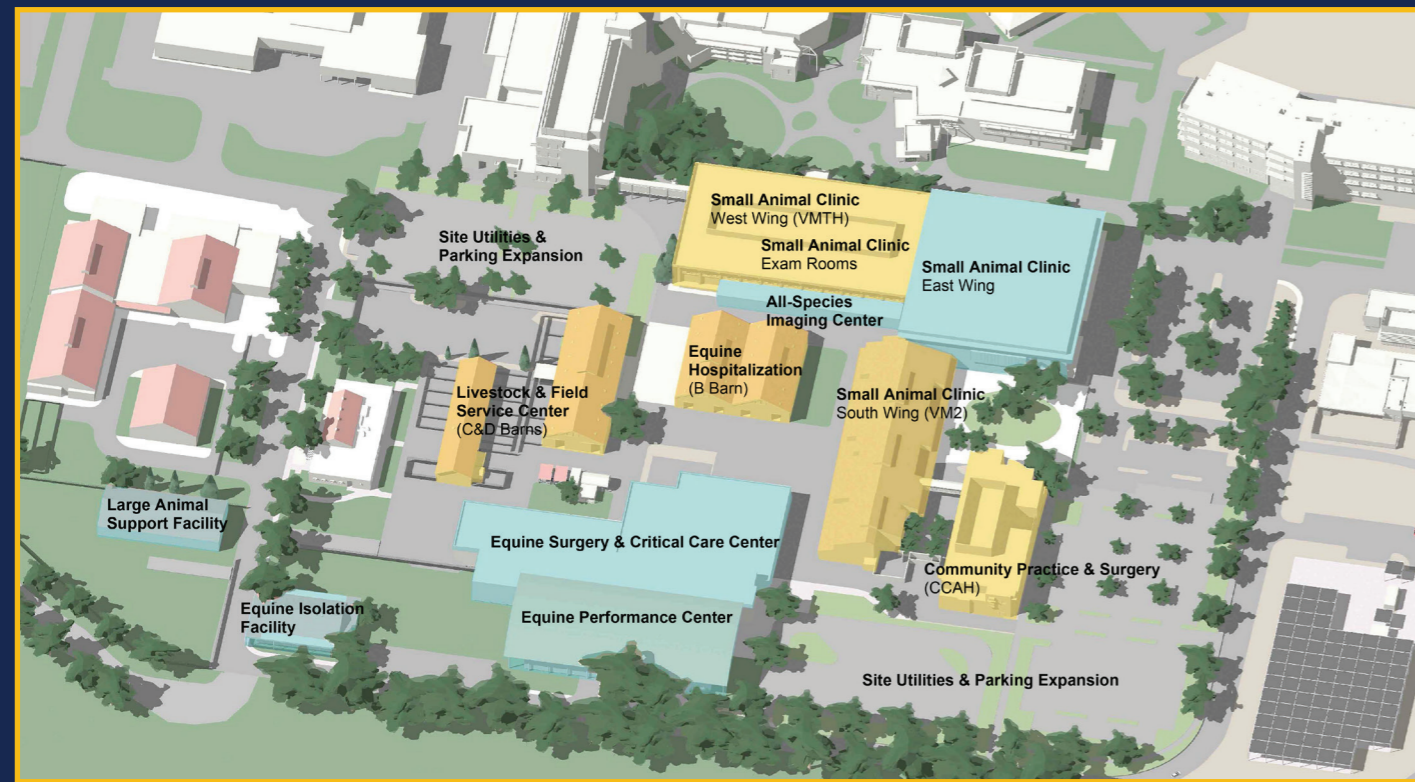


UC Davis Expansion Plan: Veterinary Medical Center

TRANSFORMING THE FUTURE OF VETERINARY MEDICINE

For 75 years, the UC Davis School of Veterinary Medicine has provided exceptional care and prepared the next generation of veterinarians, researchers, and industry professionals. Throughout the school's history, philanthropy has created tremendous opportunities and bolstered its preeminence in the veterinary sciences. Thanks to the generosity of donors, UC Davis is transforming the future of veterinary medicine right here in the Sacramento region, and expanding its reach of world-class care.

75
75
75
YEARS



UC DAVIS VETERINARY MEDICAL CENTER MASTERPLAN

KEY

- Yellow** = Renovated and planned-renovation facilities
- Green** = Constructed or planned new facilities

NEW EMERGENCY ROOM AND INTENSIVE CARE UNIT

The UC Davis teaching hospital opened a new emergency room and intensive care unit on May 3, 2023. Funded entirely through giving, the 1,600-square-foot unit nearly doubles its original space and allows the hospital to meet its patients' needs, as well as the profession's need for more specialists. Historically, the ER caseload has increased tenfold since 2013, seeing an average of more than 900 cases per month in 2022, with some months seeing more than 1,200 patients.



UC Davis personnel treat a patient named Quorra on the opening day of the new emergency room and intensive care unit. Quorra is back home and doing well.

ADVANCED VETERINARY SURGERY CENTER

The Advanced Veterinary Surgery Center, in the final stages of construction and opening this July, will be a state-of-the-art facility dedicated to providing life-changing surgical treatment for companion animals. UC Davis' veterinary surgical specialists set the bar for innovative treatments, including total hip replacement using a custom, 3D-printed titanium implant. The 6,600 square foot center, which is benefitting from significant philanthropic support, will provide needed space to meet current and future demand for surgical patient care and accommodate an increase in the volume of orthopedic surgical procedures.



Facilities in the nearly completed Advanced Veterinary Surgery Center, which opens in July.

ALL SPECIES IMAGING CENTER

The All Species Imaging Center, to be completed spring 2024, will bring together MRI, CT, and PET scans under one roof to better serve patients and clients, and increase the school's ability to further innovate and train in the field. The center will be staffed by the largest veterinary diagnostic team in the world, as well as become a primary training center for the world's largest imaging residency program. The center, which is 100 percent donor funded, will place UC Davis on the cutting edge of detecting, diagnosing, and treating disease and trauma.



The All-Species Imaging Center, currently beginning construction, will bring large and small animal imaging technologies into one centralized facility.

VETERINARY MEDICAL CENTER: WORLD LEADING VETERINARY CARE IN SACRAMENTO

These new facilities are part of the current hospital transition to a \$500 million multi-phase Veterinary Medical Center. The center is being made possible in large part through donors who value the innovation and care in veterinary medicine that the number-one-rated veterinary school is bringing to the region and the world. We are grateful to all of the center's supporters. For more information and to get involved, please visit www.vetmed.ucdavis.edu/giving/vmc.

A HISTORY OF EXCELLENCE

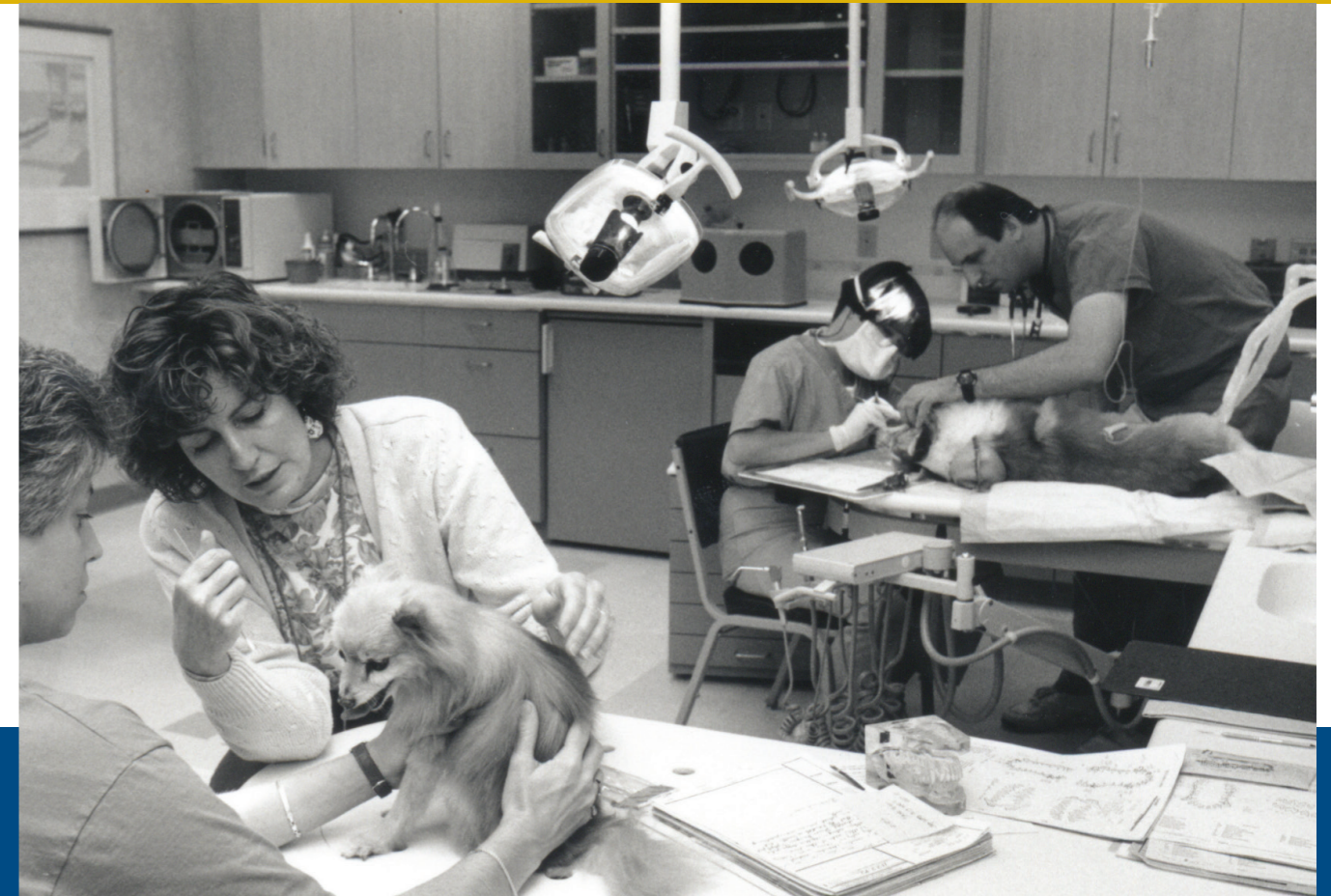
UC Davis School of Veterinary Medicine celebrates 75 years of growth and innovation

By Bill Sessa



Haring Hall was the first home of the UC Davis School of Veterinary Medicine, pictured in the 1950s.

PHOTO COURTESY OF ARCHIVES AND SPECIAL COLLECTIONS, UC DAVIS LIBRARY



Dentistry was one of the specialty services established in UC Davis's new veterinary teaching hospital in the 1970s.

PHOTO COURTESY OF UC DAVIS SCHOOL OF VETERINARY MEDICINE

Nearly 200 years after the first veterinary school was founded in France to combat disease in cattle, a similar dilemma spurred the creation of a veterinary school at UC Davis.

"Cattlemen were experiencing a lot of abortions each year and they were concerned because the loss of a calf crop was a big loss," says Dr. Bennie Osburn, dean emeritus of the UC Davis School of Veterinary Medicine. "The cattlemen came together and applied pressure on the legislature to force the issue."

This paved the way for the UC Davis School of Veterinary Medicine to open its doors in 1948 to a class of 42 students made up largely of World War II veterans with tuition paid by the GI Bill.

Celebrating its 75th anniversary this year, the school has expanded far beyond

livestock. The assortment of animals it treats is broad, reflecting trends in the role animals play in the lives of people.

Programs focus on preventive care as well as cutting-edge treatment based on scientific discoveries. The school's research also explores the interconnections between animals, humans and their shared environment.

The initial class of 42 has now expanded to more than 700 total students across three degree programs. As of 2022, UC Davis has graduated more than 7,000 doctors of veterinary medicine and has the largest veterinary research program, as well as the largest and most diverse residency program, worldwide.

Since 1980, UC Davis has been routinely ranked no. 1 among the nation's 32 accredited veterinary programs. That includes a ranking of number one in the U.S.

and number two worldwide in March 2023 by the influential Quacquarelli Symonds (QS), the world's largest international higher education network.

Tough Times at the Start

According to a recent feature article in the school's flagship publication, Synergy, by editor Trina Wood, the UC system established a veterinary program in San Francisco in 1894 that closed five years later due to low enrollment and financial difficulties. In an effort to fill the need created by the closure of the San Francisco campus, UC Berkeley created a Division of Veterinary Science in 1901, which conducted some of the first research into animal diseases.

By 1920, a concerted effort to create the veterinary school at UC Davis began, but it took a severe outbreak of livestock

KEY CONTRIBUTIONS

Philanthropic support is at a record high

To fulfill its mission, philanthropic support is imperative for the UC Davis School of Veterinary Medicine.

For 75 years, the school has been providing breakthroughs in veterinary medicine, exemplary education and robust additions to research. With plans for a future Veterinary Medical Center, funds to support the school's pioneering work to advance the health of animals, people and the environment is crucial.

Late last year, the school received its highest level of philanthropic support at \$61.7 million.

Lee Ann Jansen, assistant dean of advancement, says donor generosity is appreciated far and wide. "As we celebrate 75 years of exceptional care and innovation, I want to express an enormous thank-you to every person and organization who has supported our school," she says. "Philanthropic support has provided transformative opportunities for our school in so many ways."

Even though UC Davis is the top-ranked veterinary school in the country, the generosity of alumni and other donors has helped to keep it affordable. Recently, the scholarship endowment surpassed \$100 million, which generates approximately \$4 million in annual philanthropic student scholarships.

The new \$500 million multi-phase Veterinary Medical Center, which will promote clinical innovation, bolster research and provide a rich learning environment, is planned to be completed in the next 10 years. The center is largely being built through donor generosity. A new emergency room and intensive care unit opened in May, funded completely through philanthropic support. The first major building to be completed will be the All-Species Imaging Center, which will open its doors in spring 2024. In the last several years, hospital client DeeDee Roth donated \$250,000 to the Veterinary Medical Center, including the All-Species Imaging Center.

The UC Davis School of Veterinary Medicine has continuously been recognized in world rankings. In the 2023 QS World University Rankings, the school retained its place as first in the nation and second in the world. The rankings consider reputation among academics, reputation among employers, the citations and impact of academic papers from a university, and the diversity of a university's international research network.

The school's reputation continues to create new opportunities. In 2021, equestrian and UC Davis alumna Gina Bornino Miller donated a 52-acre, world-class equestrian facility which will support the school's Center for Equine Health.

"Thanks to our donors, we have been able to create a greater future for veterinary medicine, expanding the reach of world-class veterinary care, driving clinical innovation, advancing interdisciplinary research and creating additional educational opportunities for new veterinary leaders," Jansen says.

— Jessica Hice

"IT'S AN EXCITING TIME TO BE AT UC DAVIS, WHERE OUR MISSION AND LEVEL OF EXCELLENCE ALLOWS FOR THE LARGEST IMPACT ON IMPROVING THE WELLBEING OF OUR FAMILIES, PETS AND THE PLANET."

**Dr. Mark Stetter
Dean, UC Davis School
of Veterinary Medicine**



Dr. Henry Adler (pictured in 1965) specialized in microbiology and immunology. His research greatly improved the health of turkey and poultry flocks by helping to control salmonella and other infectious diseases like mycoplasma gallisepticum.

PHOTO COURTESY OF ARCHIVES AND SPECIAL COLLECTIONS, UC DAVIS LIBRARY

diseases in 1940 — which led to quarantines in Arizona, California and Nevada and widespread news coverage — for the idea to gain traction with elected officials. Derailed by World War II, the campaign finally succeeded with legislative approval in 1946.

Even so, the UC Davis veterinary school struggled to get off the ground. The \$500,000 allocated for its construction quickly proved to be inadequate, with inflation driving up construction costs, prompting calls for plans to be scaled back. Classes began before the school had its own building, with students using a makeshift lab in the Animal Sciences department.

By its 50th anniversary in 1998 — two years after Osburn became dean — the UC Davis veterinary school had expanded to include a teaching hospital

and a network of clinics, but still faced the prospect of losing its accreditation due to "major facility deficiencies."

That set off a \$354 million, 10-year plan to build more modern treatment, research and clinical facilities. A subsequent \$500 million Veterinary Medical Center fundraising campaign in 2017 is supporting renovations of the veterinary hospital. Future construction will also include an All-Species Imaging Center, Livestock and Field Service Center, and Equine Performance Center.

'Part of the Family'

When the school opened, its primary focus was on animals that played a big role in the economy, including horses used in drayage, beef and dairy cattle, and poultry as commodities.

By the 1970s, a wider variety of animals were being treated at the vet school, reflecting changes in the economy and people's relationship to animals. Tractors replaced horses on the farm and more people lived in cities with pets.

"The thing about companion animals is that people treat them as part of the family and they need care," Osburn says.

Now, about 70 to 80 percent of practicing veterinarians work with companion animals, including dogs, cats, birds and horses used for leisure riding, compared to about 10 to 15 percent when the school first opened.

UC Davis was among the nation's first institutions to pioneer veterinary specialties such as zoological medicine, neurology, behavior and shelter medicine, among others.

“In all, we have more than 35 disciplines in which one can specialize as a DVM,” Osburn says. “We also offer a masters in preventive veterinary medicine (MPVM) degree and those graduates now serve in more than 50 countries around the globe, expanding international horizons to enhance animal health and food production, especially in underdeveloped regions.”

One Health


Much of the research happening at the school is intended to uncover relationships between animals, humans and the environment — a concept known as One Health that UC Davis promoted in the 1960s, long before it became more widely adopted by veterinary medical leaders.

In fact, it was this holistic approach that helped draw Dr. Mark Stetter to his position as the school’s ninth dean in the fall of 2021.

“The world’s recent COVID-19 pandemic brought greater attention to the

importance of addressing global health through a lens that encompasses the health of human and non-human animals as well as the environment,” Stetter says. “We’re all connected and I think that is one lesson the public has taken away from the experience of the past three years.”

As the school looks forward to embracing the future, Stetter says UC Davis is poised to capitalize on the strong foundational work of many dedicated people over the past three quarters of a century.

“It’s an exciting time to be at UC Davis, where our mission and level of excellence allows for the largest impact on improving the wellbeing of our families, pets and the planet,” he says. 

Bill Sessa has been a freelance writer for Comstock’s since 2013. He has received many awards for his writing about the automotive industry and motorsports for national publications including Speed Sport, Autoweek and Performance Racing Industry magazines and for the Napa Valley Register.



Reliance Animal Health Partners
ADVANCING VETERINARY MEDICINE THROUGH PRODUCT DEVELOPMENT

Pictured: Tom Campi, DVM, MPVM, UC Davis Class of 1989 and Jeanine Campi. Tom and Jeanine have been married for 35 years.

Established in 2017, Reliance Animal Health Partners identifies, evaluates and develops technologies for the global animal health industry. The company develops and offers pharmaceuticals, biologics, diagnostics and devices for animals. The medical approvals achieved through Reliance’s projects can have a global impact on the health of companion animals and livestock.

“Animal health companies often look for external parties to help develop products,” explains Dr. Tom Campi, one of four partners in Reliance. “By taking their products, such as drugs and vaccines, all the way to market, we expand their portfolios.”

Products can be anything from mild painkillers to cancer-fighting drugs. The company’s four partners, all veterinarians or Ph.D.s, have complementary skills and therefore a breadth of knowledge to tackle an array of projects. Reliance also brings in consultants as needed.

Reliance is unique in its ability to bring funding to projects, taking projects farther and faster than otherwise possible. The company also stands alone in its ability to come up with ideas and propose projects to large manufacturers and suppliers.

“The products we work on are, at times, our creations — we pitch them and develop them if there is interest,” Campi says. “We are able to come up with the intellectual property, the approach and sources for the medicines, as well as put together project plans, run studies and work with the FDA’s Center for Veterinary Medicine to move along the path to approval.”

Reliance expects approval on two products later this year and, with other deals recently signed, has gone from two to six projects within two years. “We expect new technologies and approaches within the next five years and will be doubling the size of our team within the next three years,”

“We are ready and able to take veterinary medical advances as far as possible for the good of the industry as well as every owner and steward of animals.”

— TOM CAMPI, D.V.M. PARTNER

Campi says. “We are ready and able to take veterinary medical advances as far as possible for the good of the industry as well as every owner and steward of animals.”

The Manetti Shrem Museum congratulates the world-class School of Veterinary Medicine on its 75th anniversary



Visit *Deborah Butterfield: P.S. These are not horses* October 1, 2023–June 24, 2024

Deborah Butterfield, *D.B. 10-78-V (Reclining Horse)*, 1978. Mud, sticks, straw, wire, and steel, 35 1/8 x 83 1/4 x 53 in. San Francisco Museum of Modern Art, Purchase. © 2023 Deborah Butterfield / Licensed by VAGA at Artists Rights Society (ARS), NY. Photo: Katherine Du Tiel.

manetti shrem museum | Free for All manettishrem.org

Congratulations to the No. 1 ranked UC Davis School of Veterinary Medicine on 75 years!



Rendering Courtesy of ZGF Architects

Aggie Square Innovation Hub

Airco Mechanical is proud of our long partnership with UC Davis. We have worked beside some of the nation's top contractors and architects in building world-class facilities for this nationally acclaimed university. Some of our noteworthy projects include a new Central Plant for the UC Davis California National Primate Research Center, the Robert Mondavi Institute for Wine and Food Science, Cruess Hall, the new UC Davis Health Medical Office Building (MOB) at the Folsom Health Facility, and phase one of Aggie Square's Innovation Hub — which just recently celebrated a topping-off ceremony — among others. The positive impact of UC Davis on the Capital Region's economy as well as the advancement of scientific research and discovery in the areas of agriculture and the environment, food and wine, animal health, human medicine and biotech is without equal. Airco salutes its continuing contributions and vision for a better tomorrow.

8210 Demetre Ave. Sacramento, CA 95828 | 916.381.4523
1514 Park Ave. Emeryville, CA. 94608 | 415.391.2516
Lic.# 311454 | www.AircoMech.com



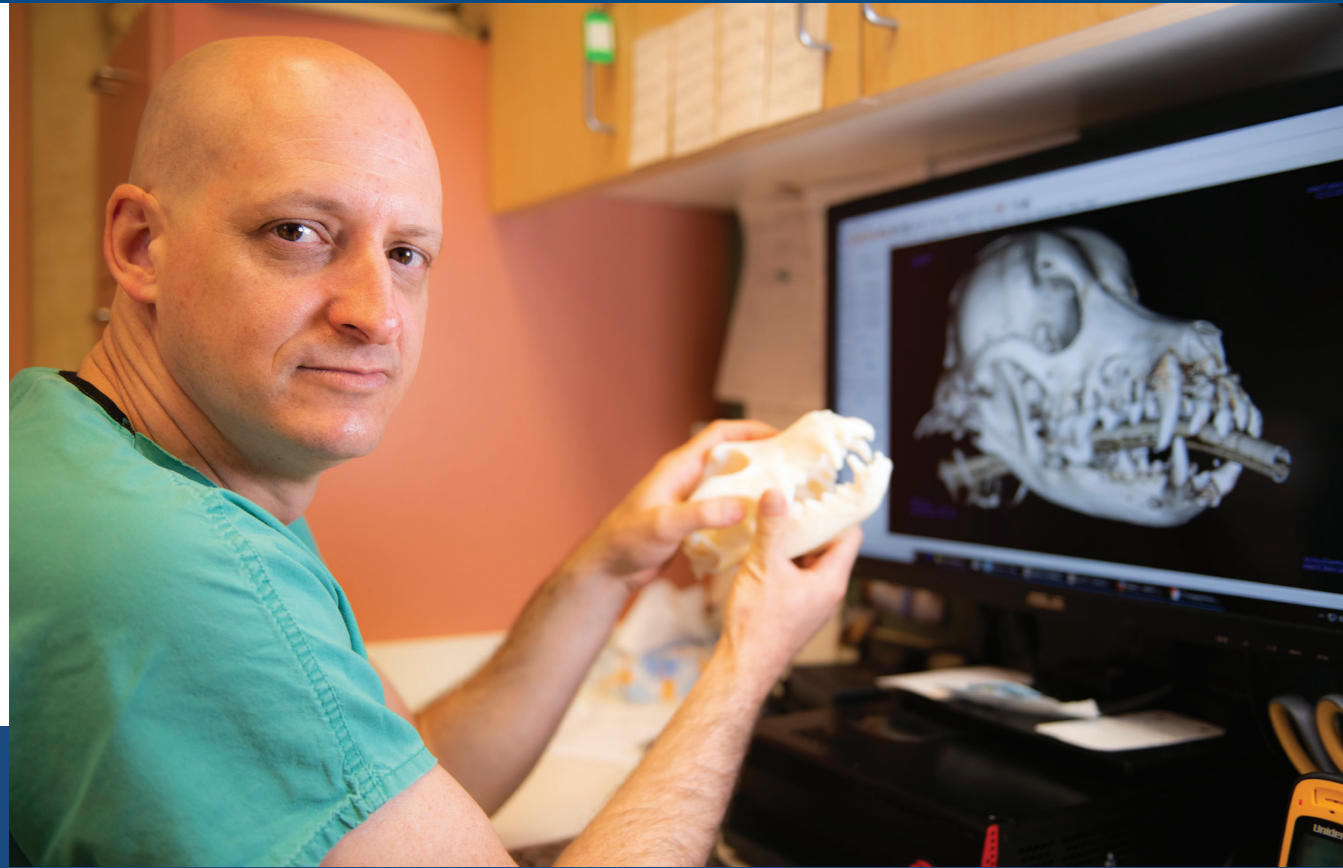
INNOVATIVE CARE

Leading research is improving care for humans as well as animals

By Jennifer von Geldern

Drs. Michael Kent and Sarah Saad (a radiation oncology resident at the time in 2021) treat Devo, an 11-year-old sheltie, for a nasal tumor at the Center for Companion Animal Health, where Kent serves as director.

PHOTO BY DON PREISLER, COURTESY OF UC DAVIS SCHOOL OF VETERINARY MEDICINE



Dr. Boaz Arzi's research includes oral and maxillofacial regenerative medicine, tissue engineering, maxillofacial reconstruction, the temporomandibular joint and cone beam CT application for the oral and maxillofacial region.

PHOTO BY DON PREISLER, COURTESY OF UC DAVIS SCHOOL OF VETERINARY MEDICINE

The UC Davis Comparative Oncology Program, a partnership between the school's NCI-designated Comprehensive Cancer Center and School of Veterinary Medicine, combines human and companion-animal oncology for groundbreaking advances.

As the nation's top-ranked veterinary school with the largest teaching hospital, UC Davis's caseload is ideal for researching naturally occurring cancers in companion animals to find solutions to cancers in animals and humans.

Dr. Xinbin Chen, Dr. Robert Canter and Dr. Michael Kent lead the Comparative Oncology Program. Kent, a radiation oncologist at the veterinary school, says, "Those of us working on the veterinary side collaborate with those working on the human side, linking what we learn toward fighting

cancer and improving lives for both animals and people."

Those participating in the program offer overlapping skill sets and different perspectives.

"It takes teams working together to solve really complex problems like cancer," Kent says. "Despite a decades-long war on cancer and huge progress, there are still many tumors that people die from, so we need to think differently about cancer and our approach to treatment."

Even with years of research in cells and in mice, advancements are better made by studying naturally occurring tumors in animals with intact immune systems.

"We'd like to test potential new therapies in a setting that's as close to a human cancer as possible," says Arta Monjazeb, professor of radiation oncology at the UC Davis Comprehensive Cancer Center.

"Traditionally, testing has been done in mice implanted with tumors, but that's a fairly artificial model. Companion animals such as dogs that share environmental exposures with humans and have spontaneously developed tumors make a good intermediate step between mice and humans."

Up until recently, tools for treating cancer consisted primarily of surgery, radiation and chemotherapy or a combination of the three. However, Kent and Monjazeb are both involved in research in immunotherapy, which holds great promise as a new tool against cancer by getting the body's own immune system to battle the disease.

Dogs play a critical role in immunotherapy, where the ability to run trials on tumors that have developed over time in the setting of an intact immune system is so important. While there



Stem cell therapy is just one of the many innovative treatments provided at the UC Davis veterinary hospital. Dr. Larry Gallupo (right) prepares to inject stem cells into Max, a 16-year-old Appaloosa, while animal health technician Gabriel Gil assists.

PHOTO BY DON PREISLER, COURTESY OF UC DAVIS SCHOOL OF VETERINARY MEDICINE

have been huge successes, many people still don't respond to immunotherapy. For the 20 percent or so it works for, it's life-changing and life-saving, but more work is needed — and dogs are part of that work.

Among many UC Davis immunotherapy projects, Kent and Monjazeb worked together on a trial in dogs with advanced metastatic

cancer using a three-armed approach of injecting the local tumor with a stimulant to the immune system, irradiating the local tumor and administering a drug to reduce the immunosuppression the tumor creates. By applying this method to the local tumor, they were able to train the immune system to attack the metastases even without directly treating them.

"That multimodal therapy of radiation, immunostimulation and removing immunosuppression has gone on to a human trial in people with advanced lung cancer," Kent says. "Hopes are high with all trials we're working on and our goal is to end suffering from cancer."

With a focus on regrowing bone where it's been lost to an oral cancer tumor, Dr. Boaz Arzi, professor of

“THOSE OF US WORKING ON THE VETERINARY SIDE COLLABORATE WITH THOSE WORKING ON THE HUMAN SIDE, LINKING WHAT WE LEARN TOWARD FIGHTING CANCER AND IMPROVING LIVES FOR BOTH ANIMALS AND PEOPLE.”

Dr. Michael Kent
Co-Leader
Comparative Oncology Program

surgical and radiological sciences, also works with animals to improve their lives as well as the lives of people who may benefit from his work.

“We started our work on bone regeneration after excision and amputation of segments of the lower jaws due to cancer in 2010,” Arzi says. “The molecule that we are using is called bone morphogenetic protein (BMP) and it works by stimulating the patient’s own bone-forming cells — osteoblasts — to regenerate the missing bone piece. The proteins are loaded/infused on a scaffold and together guide bone regeneration.”

BMPs were discovered in the 1960s and in 2002, the U.S. Food and Drug Administration approved use in human medicine for spinal fusion and some dental work. However, Arzi’s research has taken that work to the next level, regenerating larger segments of the lower jaw that were removed due to cancer.

“At the UC Davis vet school, we have been using it for about 13 years in both lower jaw reconstruction and also in the legs of dogs,” Arzi says. “Overall, we have treated more than 100 patients with this tissue engineering technology. The information gained from its use in dogs, including computed tomography follow-up examination and histology, can definitely inform its use in people.”

.....
 Jennifer von Geldern is a freelance writer who covers regional businesses, charities, events and the people who enrich our communities.



**LEADERSHIP
 HERE AND
 ACROSS THE
 GLOBE**

Diversity and parity are at the forefront of initiatives

By Ken Smith

Led by the UC Davis One Health Institute, legacy project PREDICT strengthens global capacity for the detection of viruses with pandemic potential that can move between animals and people. Pictured are PREDICT-Tanzania scientists training the in-country team in Ethiopia on bat capturing and sampling methods.

PHOTO COURTESY OF PREDICT



Scan code for our nutrition library!

Your Complete Feed Solution

Our Core Foundation:

- Balanced Mineral Profiles
- Organic Minerals
- Quality Sources of Protein
- Fortified with Vitamins, like Vitamin E
- Super Fibers, like Beet Pulp and Almond Hulls
- Yeast, Pre-, Pro-, and Postbiotics for Added Gut Support
- Promotes Better Utilization of Glucose
- Ingredients Backed by Equine Research

916.684.2056
 www.ElkGroveMilling.com
 www.StableMix.com





Ruth Goins, class of 2023, examines a dog as part of her fourth-year clinical training. She served as the national co-president of Veterinarians as One Inclusive Community for Empowerment (VOICE).

PHOTO BY DON PREISLER, COURTESY OF UC DAVIS SCHOOL OF VETERINARY MEDICINE

The UC Davis School of Veterinary Medicine is preparing students in California for any career they wish to pursue, whether as a clinic owner here or making an impact overseas.

Over 80 percent of veterinary medicine students at UC Davis are female, says Dr. Joie Watson, associate dean of professional education. That's a number that's pretty typical across the country and a key reason the American Veterinary Medical Association predicts that a majority of veterinary practices will be owned by women by 2028.

"We have the Career, Leadership and Wellness Center that supports all students to develop leadership skills, and our professional and clinical skills educators have added negotiating skills to our business and communications course," Watson says.

She says these initiatives have increased student confidence as well as

the starting salaries of female graduates, helping to erase a gender gap when it comes to earnings. She wants to see women continue to increase practice ownership and take more leadership roles in state and national veterinary medicine associations, veterinary education and public health.

In addition to fostering leadership skills, UC Davis is attacking the lack of diversity that led to veterinary medicine taking the top position in The Atlantic's 2013 list of "The 33 Whitest Jobs in America." UC Davis ranks third (behind vet programs at Alabama's Tuskegee University, a historically Black university, and Western University of Health Sciences in Pomona) as the school with what the AVMA says are "students with ethnic or economic backgrounds that are underrepresented in veterinary medicine."

Dr. Karl Jandrey, the school's

associate dean of admissions and student programs, says students of color or those with limited financial means have historically faced obstacles to accessing a veterinary medicine education.

"There has been substantial inequity to access to the veterinary profession, both in financial and familial support," he says. "There are not enough mentors with similar cultural experiences to champion a future scholar's success."

Jandrey says campus policy places additional emphasis on diversity statements within applications for the school, helping to level the field. He says UC Davis also has strong relationships with benefactors who support the need for additional financial support for scholars and that it recently hired a chief diversity officer.


"Growing our scholarship endowment is key to providing equity-based financial assistance to those most in need," Jandrey

says, noting that the school is also growing its outreach and pathway programs. "There are many folks in veterinary medicine and other allied health fields that spend a large part of their professional energy on diversity efforts to build a more welcoming and accessible profession that delivers timely care to our communities. Everyone is welcome to join forces to move the needle faster and farther."

In addition to preparing students and addressing inequities in California, the school is making impacts across the globe.

"The UC Davis School of Veterinary Medicine is leading the world in applying a One Health approach to address important issues that involve animals, people and their shared environments," says Dr. Woutrina Smith, associate dean of global programs. "By creating a global network of experts and health professionals across more than 30 countries, we have the power to innovate and work together to solve the problems of today as well as preparing for the challenges of tomorrow."

The One Health Workforce - Next Generation Project has trained over 30,000 people across 17 countries in Africa and Southeast Asia over the past few years in topics such as outbreaks and contagion risks that can affect both people and animals. The UC Davis One Health Institute is also behind novel initiatives such as the Gorilla Doctors program, a partnership between the Karen C. Drayer Wildlife Health Center and Mountain Gorilla Veterinary Project that is world-renowned for helping critically endangered mountain gorillas while also protecting the health of the animals, people and environment near them.

"Students and faculty from UC Davis travel to sites across the world to make a difference and have a positive impact on the animals and people they work with," Smith says. 

.....
Ken Smith is a freelance writer, public relations consultant and video producer who is also managing editor of Sierra Sacramento Valley Medicine magazine. More at kdscommunications.com.

LOCAL IMPACT

Providing care throughout the region and beyond

Ask any animal lover in Northern California if they know of the UC Davis School of Veterinary Medicine and chances are they'll have some very positive things to say.

The school serves California through premier educational, research, clinical and public service programs to advance the health of animals and people, as well as the environment we share.

"We offer three degree programs, including a four-year Doctor of Veterinary Medicine, as well as a Masters in Preventive Veterinary Medicine and Ph.D. programs," says Kristy Peterson, senior director of alumni relations and special events. "Additionally, we have a stellar advanced training program in our teaching hospital — the largest in the world — with more than 125 veterinarians training to become board certified in more than 35 specialty disciplines. As active members of our care team, they provide exceptional care to the pets and clients of the Veterinary Medical Teaching Hospital on the UC Davis campus."

She adds that there are ambitious goals to expand the facilities and faculty in the next few years with the hope to accommodate more students. "We're very aware of the pressing need for veterinary services and the veterinarian shortage," she says.

Dr. Kristin Jankowski joined the team in 2020 to fulfill her goal of teaching primary care and increasing training opportunities in the areas of access to care and One Health. She oversees the UC Davis Access to Care Program, which operates programs and facilities throughout the region, including the Knights Landing One Health Clinic, Community Surgery Service, Covelo Clinic, Fracture Program for Rescue Animals, Orphan Kitten Project and the treatment of animals burned in wildfires.

"There are several amazing programs where volunteer teams of students and faculty provide access to care through free or low-cost veterinary services," Jankowski says. "The students and faculty who work within the Access to Care Program place a focus on providing basic, culturally competent, compassionate care to our entire community."

The Knights Landing One Health Clinic is a free monthly clinic that serves the rural Yolo County community of Knights Landing. It offers care to both dogs and cats, providing physical examinations, vaccinations, parasite prevention and minor diagnostics and treatments utilizing a One Health model — a holistic, unifying approach to optimize the health of people, animals and the environment. The clinic team includes undergraduate, veterinary, medical and nursing students along with the overseeing faculty.

"We are optimistic that the Access to Care program is providing leadership with meaningful steps to help people and pets in need and train the next generation of veterinarians to deliver more equitable care in the U.S. and beyond," Jankowski says.

— Lisa Kopochinski



Graduates from the Class of 2019 celebrate after receiving their DVM degrees. From left: Drs. David Garcia, Michelle-Yvette Luis and Mackenzie Quick.

PHOTO COURTESY OF UC DAVIS SCHOOL OF VETERINARY MEDICINE

Congratulations on 75 Years of Exceptional Care!

Guinea Pig Calendar Company
guineapigcalendar.net



Acorn Hills Animal Center CUTTING-EDGE VETERINARY SERVICE DELIVERED WITH COMPASSIONATE CARE

Acorn Hills Animal Center, in the heart of Amador County between the communities of Sutter Creek and Jackson, represents many things to the area - the clinic is a stalwart example of a suburban medical practice with hands-on customer care and compassion, accompanied by expertise and state-of-the-art technology within the veterinary field.

Established in 2014, Acorn Hills is a general practice for small animals which offers a diverse array of services, such as surgery, dentistry and emergency. "This isn't an 8 to 5 kind of job," says Dr. Alison Pillsbury, founder and primary veterinarian at the clinic. "We're the area's only 24-hour on-call emergency clinic, covering after-hours, weekends and holidays. With about 18 staff members, we work at full capacity!"

Dr. Pillsbury's commitment to veterinary medicine helps forge strong relationships

with animal patients and human clients. "I grew up in the Bay Area surrounded by animals and wildlife. Working side by side with my mother, Frances Pillsbury, she nurtured that seed to fruition."

A graduate of UC Davis who has founded and operated two other clinics, Dr. Pillsbury's passion has been maintaining the highest quality medicine as a critical component within our community for more than 30 years. "We have the ability to offer one-on-one quality personal care that sometimes gets lost in today's world," she says. "Many of our clients are lifelong clients and we treat their animals and every animal as we would treat our own."

Acorn Hills staff is always aligned with continuing education, bringing the latest treatments and technology to the area, and networking with colleagues and UC Davis. "My goals are to continue providing

"Many of our clients are lifelong clients and we treat their animals and every animal as we would treat our own."

— ALISON PILLSBURY, DVM
OWNER

top medical care to patients, maintaining strong connections with clients, and fostering enthusiasm for veterinary medicine in my staff so that we can make a positive impact in our clinic and beyond!"



80 Ridge Rd Suite C, Sutter Creek, CA 95685 | 209.267.5554 | acornhillsanimalcenter.com

75 Years of UC Davis Veterinary Graduates

Providing Exceptional Care and Innovation for California



When the first class of DVM students arrived at the School of Veterinary Medicine in 1948, they launched a new era of health for California.

Since then, more than 9,000 DVM, Ph.D., Residency and Master's program graduates have made significant contributions to improving the health of animals, humans, and the environment. They have served as a foundation for our school's continued success, helping elevate its reputation as a center of excellence. Their achievements have created opportunities for the next generation of veterinarians to push boundaries, explore new frontiers, and uncover innovative solutions to complex challenges.

We are proud of our alumni and the positive impacts they make daily for our region, state and the world. Their service, dedication, and compassionate care are an inspiration to us all.

75
75
75
75
YEARS



UCDAVIS
VETERINARY MEDICINE