Grads In The Field
CVM alum Annika Hoffman, DVM ’10, Poultry Health Management, North Carolina State University
These are exciting times to be part of Western University of Health Sciences. The Class of 2015 that started in August totals more than 1,100 first-year students - 105 of them in the College of Veterinary Medicine - the largest entering class in the 34-year history of WesternU. That brings the University’s total enrollment to more than 3,200 for this academic year – another record.

In addition, the University opened a new campus in Lebanon, Ore. COMP-Northwest welcomed its inaugural class of 107 in late July, helping to expand the WesternU world to the Pacific Northwest.

In the CVM family, our faculty members have been part of exciting projects at the Museum of Natural History in Los Angeles and involved with the inaugural International One Health Congress in Melbourne, Australia. Both are highlighted in this issue of the Outlook.

Plus, as we close out World Veterinary Year, which marked 250 years of veterinary medicine, I want to thank Dr. Ana Alcaraz for spearheading our campus efforts to commemorate this important occasion. Be sure to check out the calendar she and her team put together. It provides a fascinating look at veterinary medicine through the years.

Finally, I would like to join with Dr. Philip Pumerantz, president of WesternU, in congratulating the following CVM faculty and staff on their milestone employment:

- Administrative Assistant for the Associate Dean for Faculty Affairs, Chris VanderVeen 15 years
- Associate Professor, Christine Green, BVSc, MRCVS, 5 years
- Associate Dean for Academic Affairs Teresa Morishita, DVM, MPVM, MS, PhD, DACPV, 5 years
- Assistant Professor Kristopher Irizarry, PhD, 5 years.

I look to the future - and this new academic year - with a renewed appreciation for our profession and with the knowledge that through the expert guidance of our faculty and staff, our students will become remarkable healers.

Phillip Nelson, DVM, PhD
Alumna in VECCS Journal
CVM Alumna Lilia Enciso, DVM 2011, was to be recognized in the October issue of the Veterinary Emergency and Critical Care Society Journal. Last spring, she received the VECCS Proficiency in Emergency and Critical Care Award, sponsored by Abbott Animal Health. She was acknowledged for her outstanding support to the specialty area of clinical medicine at WesternU and for her commitment to caring for the critically ill and injured patients assigned to her. This award not only acknowledged her aptitude in critical care, but also recognized her active participation in the local chapter of the Student Veterinary Emergency and Critical Care Society (SVECCS). As a winner, Dr. Enciso received a $700 cash stipend and a complimentary membership in VECCS for 2011 and 2012, along with the VECCS Journal recognition.

For several years, VECCS has sponsored an award given to a third- or fourth-year veterinary student at WesternU for excellence in emergency and critical care. In addition to sponsoring the Proficiency Award in Emergency and Critical Care, VECCS and Abbott Animal Health also provide educational grant funds for SVECCS members to attend the International Veterinary Emergency and Critical Care Symposium. The Symposium, which includes comprehensive educational programs on small animals, exotics and large animals, took place this year Sept. 14-18 at Gaylord Opryland in Nashville, Tenn.

Class of 2007 Reunion
The College of Veterinary Medicine is planning its first alumni reunion event in the history of the College. All alumni are invited to attend to catch up with old friends and network with fellow alumni veterinary professionals while we celebrate the inaugural class of 2007’s five-year reunion.

The CVM alumni reunion event is scheduled for the weekend of Sept. 7, 2012. Specific details are still in development, but professional programs based on veterinary entrepreneurship and business management are planned, along with plenty of social events for our alumni and their families.

Volunteers interested in helping to plan the professional or social events, or those who would like to share ideas about what would make a great alumni reunion event, are welcome to contact CVM Director of Development Tim McPherson at (909) 706-3762 or email tmcp@westernu.edu.

Keep an eye on the CVM website, the email you have on file with the university and the CVM’s Outlook magazine for more details as we get closer to the event.

Share Your News
Have you recently married, started a new job, had a baby, or received a promotion? Update WesternU on your achievements and milestones so they can be shared with your fellow classmates. Send any news to alumni@westernu.edu and to the CVM at CVMOutlook@westernu.edu.

Jobs for Alumni
Interested in finding a new job or just seeing what’s out there? Check out the job postings for alumni at the Alumni Career Resources Center on the WesternU website at www.westernu.edu.

Post a Job
Do you have a position that alumni from the College of Veterinary Medicine might be able to fill? To submit a job posting, contact the Office of Alumni Relations at (909) 469-5274 or e-mail the information to alumni@westernu.edu. The information will be posted in the Career Resources section of the WesternU Alumni website.
**White Coats Donned at Annual Ceremony**

**AMID CHEERING AND APPLAUSE** from family and friends, the 105 members of the new CVM Class of 2015 received their white coats during the annual White Coat Ceremony on Aug. 6 at Ontario Convention Center.

Keynote speaker John Payne, president and chief executive officer of Banfield, The Pet Hospital, told the more than 500 people assembled in Ballroom A that veterinary medicine “is the greatest profession on Earth.” To the new class he said they have an “awesome responsibility … to make veterinary medicine even better than it is today, and it's already fantastic!”

He intoned the incoming class to take care of themselves during the next four years of rigorous study so they may go on to become healthy, productive veterinarians. He noted that the faculty members at WesternU’s CVM “are here to help and guide you.”

“The demand for veterinary medicine has never been stronger and will continue to be strong,” he reported. “This is a great time to be a vet, and in four years' time, it’s even going to be better. You have a great future ahead of you.” He urged the class to “do everything you can to make sure veterinary medicine grows and flourishes.”

The White Coat Ceremony followed the Convocation, which packed about 3,500 people – incoming students from WesternU’s nine colleges, plus family and friends – into the main Exhibit Hall of the Convention Center. The keynote address was delivered by Herb Schultz, who was appointed in 2010 by President Barack Obama to serve as the Region IX director for the US Department of Health and Human Services. The diverse Region IX covers Arizona, California, Nevada, and Hawaii; the territories of American Samoa, Commonwealth of the Northern Mariana Islands, and Guam, and the freely associated states of the Federated States of Micronesia, Republic of Marshall Islands, and Republic of Palau. Previously, Schultz served as a senior health policy advisor to former California Gov. Arnold Schwarzenegger.

Such diversity is important to Schultz, who noted during his address that WesternU’s academic diversity, as well as the sociocultural diversity of its student body, is a tremendous asset in the health-care world.

“One of the things I love about WesternU is that you represent America. You represent the people you will serve,” he said. Remembering that those patients are what matters most should allow all involved in the health-care debate to look past partisan politics and find a clear path to better health care for everyone, he concluded. “Politics to me is about working with you to make change happen.”

**WesternU Enrollment Sets Record**

The more than 1,100 first-year students at Western University of Health Sciences mark the largest-ever entering class in WesternU’s history, which began in 1977 and included an initial class of just 36 osteopathic students in 1978. The size of the incoming class of future osteopathic physicians, pharmacists, nurses, veterinarians, physician assistants, physical therapists, dentists, optometrists, podiatrists and biomedical scholars pushed the University’s total enrollment past 3,200 for the 2011-12 academic year – another record.
Two years ago, the CVM’s Tracey McNamara, DVM, DACVP, was asked to consult on a new film that was in the Hollywood pipeline about some type of influenza. She was recommended by Dr. Larry Brilliant, a physician, businessman (google.org, among them) and epidemiologist who was key in the World Health Organization’s smallpox eradication. Dr. McNamara had met him through her groundbreaking work in identifying West Nile Virus.

“They wanted to bring a veterinarian’s perspective to the pandemics,” explains Dr. McNamara. “They wanted real-life experience with emerging infectious diseases.”

Dr. McNamara’s role involved lunches in Beverly Hills, she says merrily, and listening to story pitches. Then, she would offer her opinion on the science involved, and whether such an outbreak could even remotely occur.

Eventually, a film came together, and is being lauded for its realistic portrayal of science and scientists. That film, “Contagion,” opened in mid-September, topping the box office its first weekend with more than $23 million. Dr. McNamara was one of those who got a sneak peak two days early: She was invited to the film’s New York premiere on Sept. 7.

Dr. McNamara, who is listed in the credits, calls the event “very glitzy and exciting.” She met some of the film’s stars, including Matt Damon, Jennifer Ehle, and Elliott Gould, plus other celebrities such as Michael Douglas, Annette Bening and Regis Philbin.

“The film is a sobering and realistic depiction of a rapidly spreading zoonotic threat,” Dr. McNamara reports. “Like many recent emerging infectious diseases, such as Nipah virus or SARS, the start of the epidemic can be linked to animals, underscoring the need for the One Health approach to such infections.

“In the film, deforestation displaces the bats who infect pigs who infect a restaurant chef who infects Gwyneth Paltrow by shaking hands with unwashed hands. It could all happen. Many scientists go so far as to say not if, but when. I predict Purell sales will go up following release of the film!”

The annual tradition of Welcome Week continued once again on the campus of Western University of Health Sciences, when the more than 1,100 new students arrived the first week of August.

The full week of activities included orientation days for both the College of Veterinary Medicine and the University at large, and the President’s Ice Cream Social. The week was capped off with Convocation, the White Coat Ceremony and the President’s Welcome Lunch and tours of the campus on Aug. 6. A vendor fair and marketplace also were part of the festivities on Aug. 6.
CVM students seeking experience in a variety of veterinary medicine cases are benefiting substantially from their rotations at Orange County Emergency Pet Clinics. While there, they join a swift-moving, synchronized team that handles myriad situations - and animals - often in just one evening.

The hospitals - in Garden Grove and La Habra - are open weeknights from 6 p.m. to 8 a.m., from noon Saturday until 8 a.m. Monday, and 24 hours on holidays. “We aren’t trying to compete with the family veterinary offices, we don’t do general veterinary care,” says Rol L. Gillum, who has been administrator of the hospital for 25 years. “We’re strictly for emergencies and to fill that evening void when the daytime offices are closed.”

During their two-week rotations at the Garden Grove facility, the third-year CVM students will work in a state-of-the-art hospital that features four private exam rooms, ultrasound and digital X-ray machines, a full library, five incubators, an in-house laboratory, an isolation room, and an emergency room with three treatment areas. There is also a 55-foot-long lobby - which Gillum says often is full on Sundays - with a patio, vending machines, TV, and play area for children, all to help ease the stress and strain of the pet owners. About a thousand patients a month pass through the lobby doors.

The third-year CVM students study and practice under the tutelage of David Weber, DVM, chosen as one of the CVM’s Preceptors of the Year in 2010, and Alonso Bayon, DVM, and are involved in all aspects of care, from meeting the clients to handling the patients, according to Mr. Gillum. About 40 WesternU CVM students pass through the clinic during the year, three or four at a time.

And what they treat can be anything from a snake-bitten canine to a cat with a drug overdose. “We treat almost anything that will fit through the door,” says Mr. Gillum. “Besides dogs and cats, we care for pocket pets, reptiles, birds and other small mammals.” One time, a mother goat and her kids came trotting through the ER after the mother became ill, he adds.

The cases on a recent evening were nearly as varied, as the phones started ringing promptly at 6 p.m. Within a 90-minute period,

Dr. Weber and his team saw, among many other patients, a 4-month-old boxer with a swollen face and a bee stinger on her tongue; a West Highland terrier attacked by a coyote; a German shepherd and a Labrador mix, both hit by cars; a Pekingese with a heart murmur; a shepherd mix that ate a scouring pad; a small dog with a torn dewclaw; and an elderly Pomeranian with respiratory problems and cardiac disease. Long Beach Animal Control also brought in a young Calico cat with serious eye trouble - severe conjunctivitis was one theory - but the cause of its matted, bloodied eyes would not be known until later.

Said one technician: “You see so many different things here.” Adds Dr. Weber, who will spring into action once again moments later: “Emergency medicine is never boring, that’s for sure. I definitely enjoy it.”

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Orange County Emergency Pet Clinics
12750 Garden Grove Blvd., Garden Grove; (714) 537-3032
1474 S. Harbor Blvd., La Habra; (714) 441-2925, (562) 690-2925
www.er4yourpet.com
“A lot of what was happening down there wasn’t being covered,” says Heather Rally, DVM 2014, who headed to Alabama and Louisiana with two friends to make a documentary about the effects of the spill. “We wanted to get out the stories of the people.”

What she expected to be a two-week project turned into a year-long mission to chronicle the lives of those most affected by the spill and its aftermath, including fishermen, cleanup workers, and others. “It became really personal, really quickly. It was like we were experiencing this with them,” says Heather who, after starting with the Class of 2013, deferred veterinary school for a year to work on “Project Gulf Impact.”

Among the stories were reports of sea turtles being burned alive and cleanup workers along the shore not being allowed to wear the proper respiratory equipment because local officials feared frightening off tourists. Heather says they should have been frightened anyway: “the beach was toxic.” Like many others there, Heather and her friends landed in the hospital, sickened, she says, by the oil and Corexit, a chemical dispersant that was being used on the oil too close to shore.

The film, still dubbed the “The PG I Documentary,” is in the final editing stages. Heather and “The Team” hope to submit the film during the upcoming festival season, and find a distributor so the film can be seen by a broader audience. “The work there is ongoing,” she says. “Every day for them is a constant struggle.”

This wasn’t Heather’s first foray into filmmaking. Previously she worked, partly undercover, with the film crew responsible for the documentary, “The Cove,” which told of dolphin slaughter in Japan and how that dolphin meat makes its way to other parts of the world. “The Cove” went on to win the 2010 Academy Award for Best Documentary.

Born and raised in Santa Monica, Heather’s interest in “anything creepy crawly” began as a child. She says she had a menagerie by the age of 3 or 4 years old and says, “I have always known I wanted to work with animals, and have always had a particularly strong connection with the ocean.” She completed her undergraduate work in Biology at the University of California, Santa Barbara, in 2009, and has worked at the Channel Islands Marine and Wildlife Institute and the Marine Mammal Care Center at Fort MacArthur, among other places.

She remains in contact with her Gulf friends. “It was a pretty amazing experience,” she recalls now. “Despite the devastation and uncertainty, what I witnessed was an incredibly organic and beautiful coming together of the community.”
I’m the second-year Poultry Health Management Resident/Master’s of Specialized Veterinary Medicine Candidate at North Carolina State University in the Department of Population Health and Pathobiology. Since my arrival in Raleigh in July 2010, I have grown a flock of 2,000 turkeys and a flock of 5,000 broilers at NC State’s Veterinary Teaching Animal Unit. Growing the birds has taught me about management techniques that will be essential when going out in the industry, as most of the ‘problems’ faced in the industry are related to or closely tied to management practices. The birds at the unit are also used as a teaching tool for the veterinary students learning their clinical skills and about poultry production. I teach labs where students learn how to handle birds and do oropharyngeal, choanal, tracheal, and cloacal swabs, blood collection, vaccination techniques, and environmental Salmonella testing.

I also have opportunities to teach senior veterinary students when they have rotations with us (we recently had a WesternU student do a rotation!) We teach the students how to perform necropsies on turkeys and chickens, go out in the field to investigate issues that have arisen in nearby poultry companies, and tour turkey and chicken processing plants, feed mills, hatcheries, and other poultry houses and facilities. Some of my other teaching responsibilities have included being a teaching assistant for an undergraduate course in Poultry Diseases, and I was also a guest lecturer in Fall 2010 for two undergraduate classes at the University of Wyoming in Laramie.

In addition to my teaching responsibilities, I have spent some time in our Marek’s/Lymphoid Leukosis lab, Mycoplasma lab, and participated in weekly histopathology rounds with Dr. Oscar Fletcher, Dr. John Barnes, and Dr. Tahseen Abdul-Aziz, who are some of the top authorities in Avian Histopathology. Other activities have included research on turkeys, writing publishable papers, field investigations, and going out into the field with veterinarians and poultry company personnel.

I’ve also had the opportunity to attend the AVMA Conference/American Association of Avian Pathologists (AAAP) meeting in July 2010, and the National Meeting on Poultry Health and Processing in Ocean City, Md. I have presented at the 2010 North Carolina Veterinary Conference/North Carolina Poultry Health Meeting, the 2011 Virginia Poultry Health Seminar, and the July 2011 AVMA/AAAP/Poultry Science Association Meeting. I also was given the chance to guest lecture and help with the wet labs for the USDA Live Bird Marketing System Continuing Education Training Course in August 2011.

At the end of my residency, my plans are to sit for the American College of Poultry Veterinarians board examination in August 2012.

Annika Hoffman, DVM
Class of 2010
Western University of Health Sciences wrapped up the commemoration of 2011 as World Veterinary Year with a reception and exhibit in the Harriet K. & Philip Pumerantz Library on campus. Dozens of faculty, staff and friends attended the event on Aug. 29.

Throughout the year, the library has featured various exhibits on the history of veterinary medicine. One main exhibit showcased the founding of WesternU’s College of Veterinary Medicine — including a portion on Dr. Shirley Johnston, founding dean — and rotating exhibits focused on different major events or people in veterinary history. Among them: Dr. Peter Doherty, the first veterinarian to win a Nobel Prize. The University of Melbourne professor was so honored in 1996 in the category of Physiology or Medicine.

The library brought the field of veterinary medicine to life through the exhibits’ striking presentations. A veterinary medicine timeline was shown along the waving back of an artistically rendered California king snake. A skeletal display featured a goat, pig, dog and cat, all of them part of the Willed Deceased Animals for Veterinary Education (WAVE) Program. Also shown were several pages from the CVM’s World Veterinary Year calendar, produced under the direction of the CVM’s celebration committee, chaired by Ana Alcaraz, DVM, PhD, DACVP. Among the more striking images are those of veterinary surgery and study, then and now.

Formal veterinary education began 250 years ago in Lyon, France, when Claude Bourgelat started the first school specifically aimed at veterinary education. This year, celebrations have been held around the world to mark that milestone. The international closing ceremony for World Veterinary Year was held Oct. 10-14 in Cape Town, South Africa.

The Pumerantz Library exhibit continues on display through the end of the fall term. For more information on World Veterinary Year, log on to www.vet2011.org.
I grew up in Eustis, Fla., and received my Bachelor’s degree in Animal Sciences as well as my Master’s non-thesis degree in Animal Science Reproduction and Physiology, focusing on large animals, from the University of Florida. I worked at a small animal practice during my undergrad career and volunteered at numerous places - small and large animal. I am interested in large animal medicine.

Kayte Borton

I grew up in Burbank, Calif., and received my Bachelor’s degree in Animal Science from California Polytechnic State University, San Luis Obispo. I worked at a small animal clinic in Beverly Hills, and also worked with an equine dentist. I am interested in equine medicine.

Brett Boorstin

I grew up in Eustis, Fla., and received my Bachelor’s degree in Animal Sciences as well as my Master’s non-thesis degree in Animal Science Reproduction and Physiology, focusing on large animals, from the University of Florida. I worked at a small animal practice during my undergrad career and volunteered at numerous places - small and large animal. I am interested in large animal medicine.

Kayte Borton

I grew up in Cincinnati, Ohio, and received both my BS (Biology/Psychology) and MS (Comparative and Veterinary Medicine) from The Ohio State University. I have worked in many areas of veterinary medicine, including conducting research in canine cognition and welfare. I am especially interested in behavior, veterinary public health, exotic and small animal medicine.

Puja Buch

I grew up in San Diego, and received my Bachelor’s degree in Animal Science from California Polytechnic State University, San Luis Obispo. As an undergraduate, I managed Cal Poly’s on-campus vet clinic and worked as a veterinary technician at an equine-exclusive hospital after graduation. I am interested in equine medicine.

Mailie Fanning

I grew up in Meadville, Pa., and received my Bachelor’s degree in Biology from Allegheny College. I worked at a mixed practice veterinary clinic as well as a wildlife rehabilitation center that specialized in birds of prey. I am interested in small animal and avian medicine.

Donald Consle

I grew up in France but have lived in Kansas for the past 11 years. I received my Bachelor’s degree in Biology from Kansas State University and worked for small animal practices as an undergraduate. I completed an animal care internship at the Kansas City Zoo working with elephants and sea lions. I am interested in small animal medicine.

Audrey Collinet

I grew up in Southern California and received my Bachelor’s degree in Animal Science from the University of California, Davis. While an undergraduate I did internships in bovine medicine and after graduation I worked in a small animal practice for two years. I am interested in a mixed practice of mainly companion animals.

Lauren Frutchey

I grew up in Leesburg, Va., and recently graduated from The College of William and Mary with a Bachelor’s degree in Neuroscience and a minor in Biochemistry. I have worked at a local animal hospital for more than six years now, and I am excited to pursue small animal medicine.

Daniel Allen

I grew up in Southern California and received my Bachelor’s degree in Animal Science from the University of California, Davis. While an undergraduate I did internships in bovine medicine and after graduation I worked in a small animal practice for two years. I am interested in a mixed practice of mainly companion animals.

Erik Johnson

I grew up in La Quinta, Calif., a small town 30 minutes from Palm Springs, and received my Bachelor’s degree in Biology from the University of San Diego. I worked for a small animal practice that cared for shelter and family pets and which sparked my interest in small animal shelter medicine.

Alexis Galvez

I grew up in Clarendon Hills, Ill., and received my Bachelor’s degree in Biology from the University of San Diego. I worked for a small animal private practice for 2½ years and I have volunteered for a large animal practice and a zoo. I am undecided in the veterinary path I would like to take.

Erik Johnson
Originally from Northern California, I have been living the past eight years in San Diego where I earned my BS in Biology from the University of California, San Diego. After graduation I worked in a regenerative medicine production lab as well as a small animal veterinary clinic. I am interested in small animal medicine.

Charlotte Jordan

I’ve lived in Reno, Nev., for most of my life and received a Bachelor’s in Animal Science from the University of Nevada, Reno. I worked in a small animal practice during my studies and then in a research laboratory afterwards. I’m interested in large animal medicine and research.

Phoebe Kemp

I was raised in Manhattan Beach and received a BS in Animal Science and a Minor in Music from California Polytechnic State University, San Luis Obispo. While at Cal Poly, I was a music teacher and a surgery technician for a local animal shelter. I am interested in small animal medicine.

Marc Ledesma

I grew up in Pomona and Chino Hills, Calif., and I received my Bachelor’s degree in Neurobiology from the University of California, Irvine. I did undergraduate research in spinal cord regeneration, volunteered at an animal shelter and worked at a cats-exclusive practice. I am interested in small animal surgery.

Audrey Keebaugh

Born and raised in Los Angeles, I earned my Bachelor’s degree in Integrative Biology from the University of California at Berkeley. I worked for a small animal practice that offered traditional and holistic approaches. My undergraduate research included behavioral ecology and embryonic signaling. I am interested in small animal medicine.

Kevin Lew

I was raised in the Central Valley of California, and received my Bachelor’s degree in Animal Science from California State University, Fresno. I have worked in small animal clinics since 16, and plan to continue my education with an emphasis in small animal and exotic medicine.

Kelly McCurry

I have lived in State College, Pa., my whole life and received my Bachelor’s degree in Animal Sciences from The Pennsylvania State University. I have worked at a small animal hospital for almost five years now. I am interested in small animal medicine with a focus on cats and dogs.

Kurt Michelotti

After leaving my hometown of Clinton Township, Mich., I departed for Adrian College. There I received my Bachelor’s degree in Biology and English writing. I volunteered at various small animal clinics, and worked at the John Ball Zoo in Grand Rapids, Mich. I find zoo and wildlife medicine especially alluring.

Kate Moore

Following a successful business career, I was inspired to pursue veterinary medicine while volunteering at a wildlife rescue facility in Northern California. I’ve interned at a shelter and farm animal sanctuary and have volunteered at equine facilities. I am interested in becoming a rural mobile vet and continuing volunteer efforts.

Sue Mowatt

I grew up in San Diego and graduated with a Bachelor’s degree in Biology from San Diego State University. I have worked for a small animal practice (dogs and cats) and I have volunteered at my local animal shelter and at an emergency animal hospital. I am interested in small animal medicine.

Evelyn Ngo
Gregory Simonek

I grew up in Torrance, Calif., and received my degree in Animal Science from the University of California, Davis. After graduating, I worked with a small animal practice in Manhattan for a year before joining the Cardiovascular Research Foundation as a laboratory animal technician. My interests are in surgery and laboratory medicine.

Gwenny Stair

I grew up in Texas until I was 12, when I moved outside of St. Louis, Mo. I earned my BA in Biology at Saint Louis University, and worked on my MS in Molecular Biology at the University of Missouri-St. Louis. My volunteer work included equine, bovine, small animal, and avian. I have developed my equestrian skills, currently training horses at a dressage barn.

Phoenix Watt

I grew up in Orange County, California, and received my Bachelor’s degree in Biology from California State University, San Bernardino. I have worked as a technician for 13 years in small animal practices. I volunteered at the zoo and at the Marine Mammal Center. I am interested in Marine Mammal medicine.

Amanda Zetwo

I’m from Pittsburgh, Pa., and received my Bachelor’s in Biology at Shippensburg University. My last 10 summers I’ve volunteered with a wildlife rehabilitator, helping mammals and rabies vector species. I love emergency/critical care medicine. I’m interested in small/exotic/wildlife medicine. I have a wonderful husband, Greg, and an Australian Shepherd, Faith.

Kristie Watanabe

Born and raised in Honolulu, Hawaii, I left home to get my Bachelor’s degree in Biology with a Minor in Japanese Language and Literature from Occidental College in Los Angeles. I worked at a private practice in Honolulu, which was where I found my passion for small animal and avian medicine. Aloha!

Kami Sugerman-McGiffin

A native San Diegan, I graduated from California State University, San Marcos, with a BS in Biology and a BA in Literature. I have experience in small animal, corporate, and feline-only practices. I have been a volunteer with Feral Cat Coalition and am interested in feline medicine. I am married with six cats. I enjoy video gaming, beer brewing, and visiting Disneyland.

Jenna Danielle Roseman

I received Bachelor’s degrees in Biology and Music from Barry University in Miami, Fla. I volunteered for multiple organizations, was an Honors Program graduate, and worked as a veterinary technician’s assistant, in kennels, in retail management, and traveled as a vocal performer. I am interested in large animal medicine.

Chelsea Radtke

I grew up in Tucson, Ariz., receiving my Bachelor’s at the University of Arizona. I majored in Veterinary Science and minored in Chemistry. I worked at a small animal practice throughout undergrad, volunteered at the local zoo, and interned with a police canine unit. My interest is small animal medicine.

Diane Ordanes

I completed my Bachelor of Science degree in Animal Science at Cornell University in 2006. After graduation, I worked with a small animal practice in Manhattan for a year before joining the Cardiovascular Research Foundation as a laboratory animal technician. My interests are in surgery and laboratory medicine.

Anthony Paden

I am from Newark, NJ, and received a Bachelor’s degree in Animal Poultry and Veterinary Sciences from Tuskegee University. I passed biochemistry and I can pursue my dream to become a vet! I had clinical experiences at Michigan State and Tuskegee veterinary teaching hospitals and hope to return to academia.
ELIZABETH SCHILLING, DVM, set her professional goal very early in life: At age 4, she announced that she wanted to be “a horse doctor.” She is now living out that early ambition as an assistant professor of equine practice and dentistry in the College of Veterinary Medicine. She joined the CVM faculty in January 2009.

Her career is a natural outgrowth of her life growing up in rural Woodside, Calif., near Stanford, where she was active in the Pony Club. “I’ve been horse back riding my whole life,” she explains, noting that she participated in horse shows and kept horses at her home. “I always wanted to be a vet; I always wanted to work with horses.”

After living in Canada and then Boston with her family, she attended the Thacher School in Ojai, choosing it primarily because of its “huge outdoor and horse program,” she explains. From there, she headed to the University of California, Santa Barbara, majoring in French and Biology (and attending sessions along the way at France’s University of Bordeaux and California Polytechnic State University, San Luis Obispo). She transferred to Wesleyan University in Connecticut, where she competed on the rowing team and obtained her undergraduate degree in 1988 with majors in French, Molecular Biology and Biochemistry.

After earning her DVM from the University of California at Davis, she worked at veterinary hospitals and practices in Ventura County, the Chino Valley and Norco.

While horses are her first love, they aren’t her only love. Dr. Schilling adores travel and has globe-trotted to Switzerland, Scotland, Greece, China, England, Mongolia and the Galapagos Islands, among other locales, on occasion working with equine rescue groups to provide dental care.

She lives in Redlands with partner Rich Turner in a home filled with four-legged friends: three Springer spaniels and two Corgis, one of which is a special needs animal. “My family has always had Corgis and bird dogs,” she notes.

As for her time thus far at WesternU, Dr. Schilling has nothing but praise.

“I love it,” she says of teaching. “Our students are wonderful; they keep surprising me.” Of her life and career, she adds, “I’ve been incredibly lucky.”

FOR OHAD LEVI, DVM, his choice for a career involved a bit of tug-of-war. On one side was his passion for helping animals, on the other was his love of the sea.

“As a boy growing up in Israel, my main hobby was sailing. I’ve been in love with sailing since I was 2,” he says, adding that his father eventually bought a yacht and the family would sail for several weeks each year in the Mediterranean. He seriously considered becoming captain of a ship, but realized the long separations would not be conducive to family life. So, he opted for veterinary medicine, and sailing remains a favorite pastime.

In August 2010, Dr. Levi joined the staff of WesternU’s College of Veterinary Medicine as an associate professor in equine surgery. He also is the first- and second-year facilitator in the basic science PBL course, a second-year instructor in the equine clinical skills course, third-year clinical instructor in the surgery course and fourth-year rotation administrator.

He arrived here after a long career on both sides of the Atlantic. Dr. Levi was born in Haifa, Israel, and spent his childhood there. He then served the mandatory four years in the Israeli army, from ages 18-22, and his final year was spent in a kibbutz, where a portion of his time involved milking cows. “It sounds funny but that made me want to do veterinary medicine even more,” he says.

He earned his DVM from the University of Turin in Italy in 1989 and remained in Italy for about two years at a mixed animal hospital before returning to Israel, where he worked in an equine practice until 2000. From 1992-2007 he also served as a clinical lecturer in large animal medicine and surgery at The Koret Veterinary Medicine School at The Hebrew University of Jerusalem. From 1997 to 2006, Dr. Levi served as head of the Large Animal Department at the school, where he helped develop an orthopedic surgery department. He earned an Equine Medicine and Surgery specialty certificate from Hebrew University in 2001.

By the end of the decade, he’d decided to pursue an equine surgery residency and applied to University of California, Davis, a school with a stellar international reputation for veterinary medicine, he says. He was accepted, came to the US in 2007 – it was “a huge decision” to move his family here - and earned his Equine Surgery Residency Certificate in 2010.

His research interests lie in the areas of the equine gastrointestinal system and bone pathology and advanced therapy. He has been published in scientific journals more than 15 times, has secured at least seven research grants and belongs to numerous professional organizations. In 1998, Dr. Levi was a veterinary judge in the Driving Carriage Competition at the World Equine Games in Rome, Italy, and in 2004 was the Israeli team’s veterinarian at the World Equine Endurance Championship in Gubbio, Italy.

Dr. Levi lives in Claremont with his wife, Anat, an artist and yoga instructor, and his youngest daughter. An older daughter and son remain in Israel, where his mother and other family members reside. As for that long ago decision that eventually brought him to WesternU, Dr. Levi has no regrets. “I love my profession,” he says. “This opportunity came to me at the right period in my life.” Still, the lure of the sea remains. Says Dr. Levi: “Once in awhile, I rent a sailboat in Long Beach.”
Assistant Professor Babak Faramarzi, DVM, MSc, CVA, PhD, received a research grant from the Arabian Horse Foundation for the study of equine hoof interactions with the ground surface and the impact of trimming and hoof conformation. The award is the first for the WesternU CVM from the foundation. Dr. Faramarzi’s grant was one of only three research grants given by the foundation for 2011. The other two were awarded to UC Davis and Cornell University. The Arabian Horse Foundation is the philanthropic arm of the Arabian Horse Association and supports three funding areas: Youth Scholarships, Equine Research, and Rescue and Rehoming.

Veterinary Assistant Professor Hrvoje Smolacka, DVM, PhD, presented his collaborative work to the American Association of Veterinary Anatomists at their annual meeting at Cornell University, Aug. 6-8, 2011. This work describes skin histology, physiology and skin thermal emissivity in pinnipeds (Pacific Ocean seals and California sea lions). This work is a result of close collaboration between CVM Professor Wael Khamas, BVMSc, MS, PhD and Dr. Smolacka, with WesternU alumna Dr. Jessica Leach-Robinson and a colleague at Marine Mammal Care Center in San Pedro, Calif., Dr. Lauren Palmer. The complete citation is: Histology and infrared thermography of the skin, skin appendages and their role in heat dissipation in three pinniped species. Khamas W, Smolacka H, Leach-Robinson L, Palmer L.

In addition, Dr. Khamas and alumnus Richard Reeves, DVM ’09, have published a manuscript. This collaboration between faculty and a student (now alumnus) serves as a reminder of the enrichment that scholarly effort brings to the curriculum and the profession. The complete citation is: Khamas W and Reeves R. Morphological Study of the Oesophagus and Stomach of the Gopher Snake Pituophis catenifer. Journal of Veterinary Medicine, Anat. Histol. Embryol. 2011:40:307–313.

The inaugural issue of Today’s Veterinary Practice features an article on the diagnosis of canine heartworm infection by the CVM’s Peggy Barr, DVM, PhD, Peggy Schmidt, DVM, MS, DACVPM, Beth Boynton, DVM, Frank Bossong, DVM, and Gary Johnston, DVM, MS, DACVR. The complete citation is: Barr MC, Boynton EP, Schmidt PL, Bossong F, Johnston GR. Diagnosis of canine heartworm infection. Today’s Vet Practice 2011;1(1):30-37.

Veterinary Assistant Professor Pedro Diniz, DVM, PhD, authored two sections in the recent second edition of “Clinical Veterinary Advisor: Dogs and Cats” by Etienne Cote. The sections, titled “Anaplasmosis” and “Canine Monocytic Ehrlichiosis,” are products of Dr. Diniz’s research and clinical interests. The complete citation for this book is: Cote E. Clinical Veterinary Advisor: Dogs and Cats. 2nd ed. Canada: Mosby; 2011.


In addition, Dr. Diniz published a case report on a new infectious agent with zoonotic significance. Candidatus Neoehrlichia mikurensis is a new intracellular pathogen associated with human infection and death. The report describes Candidatus Neoehrlichia mikurensis infection in a chronically neutropenic dog from Germany that was confirmed by DNA sequencing. The same organism was previously described from ticks and two sick humans from Germany. The complete citation is: Diniz, PPVP, et al. Candidatus Neoehrlichia mikurensis: Infection in a Dog from Germany. Journal of Clinical Microbiology. 2011 May: 2059-2062.

Three faculty members from the College of Veterinary Medicine, Helen Engelke, BVSc, MPVM, MRCVS, Tracey McNamara, DVM, DACVP, and Suzana Tkalcic, DVM, PhD, along with Gaël Lamiable, DVM, a 2009 graduate, represented WesternU.

At this pivotal meeting, more than 650 like-minded One Health proponents shared their experiences to broaden the agenda of One Health into a global perspective and to enhance cross-collaborative efforts of public health, environmental health, and veterinary medicine. The goal was to develop a collaborative strategy to address major global public health issues and to plot effective pathways for the One Health community to reach “health for all in the 21st century.” All of the WesternU representatives felt strongly the need to wave the flag high for the University, to introduce an international audience to our strengths and our models.

Dr. McNamara, a professor in veterinary pathology, had no doubt she would attend this meeting. “I wanted to connect with other One Health practitioners, to find out what they were doing and to explore more ways forward,” she said. Her two papers, “A Bird in the Hand: the Power of Zoo Sentinels” and “The Russian Anti-Plague System: An Overlooked Zoonotic Disease Surveillance and Response System,” both were incredibly well received and challenged attendees to reevaluate traditional thinking.

Dr. Engelke, an assistant professor in veterinary public health, said she “felt very strongly that academia be represented, that if we are to afford long-term change in our approach to the human-animal interface, we need to remodel the education of all of our health professionals.” Her presentation: “Inter Professional Education: A Novel Curriculum Bridging the Educational Divide of Medical, Veterinary and other Health Professional Students,” spoke to that belief.

Through her oral presentation: “Paving the Road to One Health: Veterinary Medicine and Interprofessional Education,” Dr. Tkalcic, an assistant professor in veterinary pathology, introduced existing WesternU IPE programs and suggested a model for restructuring internship and externship programs for health professional education into a more inclusive interprofessional team-based approach. She also actively participated in the International Society for One Health initiative and in the discussion for defining outreach and communication strategies for a “one health” approach to a wide medical community.

Dr. Lamiable further advocated for how the WesternU model can translate into positive health outcomes. His paper “Cystic Echinococcosis Prevention in the Highlands of Peru – A Multidisciplinary Perspective,” showcased the university’s team-based interprofessional approach to this important but neglected zoonosis. He also presented his One Health international experience through the WesternU Center for Global and Community Health scheduled clinical externship.

The Congress gathered a large scientific community of health professionals around one idea: How to more efficiently preserve human and ecosystem health in the modern world. It had strong attendance from the medical community and there appeared to be real “buy in” from key political figures. To keep the momentum and enthusiasm generated, the next meeting is scheduled for Bangkok, Thailand in 2013.

Dr. McNamara attended a follow-up meeting in London in June from which steps were identified and defined for making One Health a reality. And certainly attendees, while enjoying the beauty of the banks of the Yarra River in Melbourne did get the message: “We may be in Melbourne now, but WesternU is where it’s all happening!”

Speaking of global health, here is an example of how our faculty never sleeps. While at the Sydney airport, Dr. Tkalcic drafted a veterinary clinic from Barry, outside Sydney, to join our 4th year international clinical rotation sites. For our DVM students interested in the veterinary world from “down under,” here is your chance!
Professor Joe Bertone, DVM, MS, DACVIM, recently was named chief medical editor for Equus magazine. This widely circulated publication is billed by Amazon.com as providing “the latest information from the world’s top veterinarians, equine researchers, riders and trainers on understanding and influencing equine behavior, recognizing the warning signs of illness and disease, and solving riding and training problems.”

In addition Dr. Bertone was an invited speaker at the Central Veterinary Conference, Washington, DC, edition on May 4–5, 2011. He presented the following topics at this meeting: “Clinical neurology made easy - Part 1,” “Clinical neurology made easy - Part 2,” “Sleep deprivation: it’s not narcolepsy,” “Dorsal cervical articular injection: when and how,” “Cardiac evaluation and case discussion,” “Medicine case discussion,” and “Occult and flagrant pleuropneumonia.”

Veterinary Assistant Professor Helen Engelke, BVSc, MPVM, MRCVS, has been certified as a Preventive Medicine specialist by the American College of Veterinary Preventive Medicine (ACVPM). The certification exam encompasses five areas of specialty: infectious and parasitic diseases, food safety, environmental health & toxicology, epidemiology & biostatistics, and public health administration. Dr. Engelke passed all five parts of the exam and joins the ranks of 680 active Diplomates in this exclusive specialty college. This year’s exam pass rate was 56 percent, which included veterinarians taking the exam for the first, second, third and fourth times.

Veterinary Assistant Professor Yvonne Drechsler, MS, PhD, and Professor Ellen Collisson, MS, PhD, presented at the 12th International Nidovirus Symposium at Acme, Mich., on June 4–9, 2011. Dr. Drechsler gave an oral presentation, “Greater macrophage response of B2 MHC chickens correlates with greater resistance to coronavirus associated illness,” by Yvonne Drechsler, Maisie Dawes, Ghida R. Banat, Suzana Tkalcic, Mark W. Jackwood, Lisa Griggs, W. Elwood Brides and Ellen Collisson. Dr. Collisson presented a poster, “Genetic resistance to Avian Coronavirus can be associated with the avian MHC,” by Ghida R. Banat, Suzana Tkalcic, W.E. Brides, Miguel D. Saggese, Mark W. Jackwood and Ellen W. Collisson. The chicken’s major histocompatibility complex (MHC) haplotype is known to have profound influence on the resistance or susceptibility to certain pathogens.

A Red Cross blood drive in honor of the late Maria Pia Phillips, PhD, was held on Aug. 22, 2011 in BVCC Commons. All participants received a coupon for a box of chocolate-covered fruit from Edible Arrangements, two complimentary VIP tickets to the Laugh Factory and a voucher for two tickets for a Chivas soccer game, plus were entered into a drawing for a $500 gas card.

As an avid proponent of comparative medicine/pathology and a long-term supporter of the global One Health initiative, CVM Assistant Professor Suzana Tkalcic, DVM, PhD, frequently returns to her native Croatia as an invited speaker and session chair for the Annual “Ljudevit Jurak” International Symposiums on Comparative Pathology. The event takes place in the capital city of Zagreb under the auspices of the European Society of Pathology. The host is traditionally the University Hospital Sisters of Mercy, established in 1846 and one of the oldest Croatian hospitals.

In June 2011, at the 22nd annual symposium, Dr. Tkalcic presented “Dermatopathology in domestic animals: common cases in veterinary medicine” in the section of Pathological Morphology of the Human and Animal Diseases as part of a group of foreign pathology experts from the United Kingdom, Slovenia, and the United States. This year Dr. Tkalcic was honored with a prestigious “Ljudevit Jurak” Award for Comparative Pathology, awarded by the Academy of Medical Sciences of Croatia. The award consists of a heavy bronze plaque, a golden coin, and a diploma written in Latin. The “Ljudevit Jurak” Award for Comparative Pathology was established in 1998 with the intention it would encourage worldwide research on comparisons between animal and human diseases. The award, named after professor Jurak, is in memory of his contribution to the medical, forensic and veterinary sciences and to his medical ethic.

Representing WesternU’s legacy and following her personal initiative to globalize the One Health approach to her Croatian colleagues, Dr. Tkalcic established this year a “Dr. Suzana Tkalcic One Health Award” for the best interprofessional student teamwork presentation in the topic of comparative pathology/medicine. Out of 26 posters submitted, this year’s inaugural award went to a team of veterinary students that investigated atopic dermatitis in people and dogs (I. Simic, M. Tkalcic, N. Lemo, “Canine Atopic Dermatitis: The Comparative Approach”).
**WesternU Team Creates T. Rex Bone Slide For New Dinosaur Hall**

A team of WesternU faculty, staff and students created what could be the world’s largest microscope slide of a Tyrannosaurus rex femur for the recently opened 14,000-square-foot Dinosaur Hall at the Natural History Museum of Los Angeles County.

Led by Elizabeth Rega, PhD, WesternU associate professor of anatomy and assistant vice provost for academic development, the team spent about a year and more than 170 hours cutting, mounting and sanding a paper-thin histological cross-section from a T. rex femur. The section, mounted on custom-cut tempered glass, measures 9 inches by 9 inches.

Among the dozen or so people contributing to the effort were Ken Noriega, BA, CVM instructor in Veterinary Anatomy and Paleontology, and CVM students Beth Lieblick and Valerie Cantrell, both DVM 2013, and Christine DePompeo, DVM 2014.

The exhibit contains the world’s only T. rex growth series, showing specimens from the youngest known baby, a rare juvenile, and a 70 percent complete young adult known as Thomas the T. rex, according to a museum press release. The T. rex attached to this bone was at least 25 feet in length when it died. The bone is approximately 65 million to 68 million years old, dating to the late Cretaceous period. It likely comes from the Hell Creek Formation in Montana and portions of North Dakota, South Dakota, and Wyoming, according to Dr. Rega.

Five additional histological slides were created from the T. rex femur and will be used for research, Dr. Rega said.

**Golf Tourney Raises Scholarship Funds**

WesternU’s “Get Your Kicks on Route 66 Faculty/Staff Celebration” took place at the Pomona campus esplanade on July 8, 2011. Among the events were a silent auction (with the proceeds benefiting the University Scholarship Fund), the Dr. Ben Cohen Nok Hockey Tournament, putting contest, tug-of-war, and table games Boggle and Uno. Approximately 386 faculty and staff members turned out for the event.

**COMP-Northwest Welcomes Inaugural Class**

COMP-Northwest, the Pacific Northwest campus of Western University of Health Sciences’ College of Osteopathic Medicine of the Pacific, formally welcomed its inaugural class of 107 students on July 30, 2011, during Convocation and White Coat ceremonies held on the COMP-Northwest campus in Lebanon, Ore.

Dr. Philip Pomerantz, founding president of WesternU, presided over the ceremonies, which featured a Convocation keynote address by Dr. John Kitzhaber, governor of Oregon, himself a former emergency room physician and chief author of the Oregon Health Plan. Gov. Kitzhaber told the inaugural class that he applauded their decision to join the ranks of the nation’s healers, but that many challenges lie ahead for them. “But the real work goes beyond your academic training,” Gov. Kitzhaber concluded. “Absolutely nothing has shaken my conviction that individuals … have the capacity to change the world. I urge you to engage in this larger effort to transform the US health care system. Why not you? Why not us? Why not here? Why not now?”

The Convocation and white coat ceremonies followed several days of orientation activities on the COMP-Northwest campus, including a reception for parents, the President’s Ice Cream Social, and a black-tie dinner and building dedication that included the unveiling of Pomerantz Plaza, the area in front of the COMP-Northwest facility named in honor of Dr. Pomerantz.

**WesternU Recognized by Pomona Chamber**

Each year, the Pomona Chamber of Commerce recognizes individuals, businesses and organizations within the community. This summer, WesternU was honored as the Chamber’s Employer of the Year. Also at the summer ceremony, Jeff Keating, WesternU’s executive director of public affairs, was installed as the Chamber’s new president.

**Faculty/Staff Celebration**

The “Get Your Kicks on Route 66 Faculty/Staff Celebration” took place at the Pomona campus esplanade on July 8, 2011. Among the events were a silent auction (with the proceeds benefiting the University Scholarship Fund), the Dr. Ben Cohen Nok Hockey Tournament, putting contest, tug-of-war, and table games Boggle and Uno. Approximately 386 faculty and staff members turned out for the event.
Always In Our Hearts: Stories from WAVE

**Chloe**

*By Marcella Pulver*

Chloe became part of our family at the age of 7 weeks and brightened our lives until her passing at the age of 11. Although we have worked with and fostered many dogs through Lab Rescue, we had never seen a more gentle dog who was so willing to please.

Due to Chloe’s amazing nature, we trained her to be a therapy dog. Chloe gave love and comfort to many children in hospitals and the elderly in nursing homes. She made many people smile.

Chloe loved being with her family. She had a passion for fetching and would fetch a tennis ball all day long, if she could. She especially loved fetching a tennis ball that was thrown into the pool or the ocean.

When we were told by our vet that it was time to put her to sleep, our hearts were broken, but we knew it was the right thing to do. During her last days, it was as if she was trying to tell us it was time. We did what we had to do in order to end her suffering with spleen cancer.

Our decision to donate Chloe’s body for the study of veterinary medicine came from the belief that, since Chloe did so much to help people during her life, she should do the same after she passed. Even at the end, she would be true to her character and continue to be selfless.

We have no doubt that if Chloe could have chosen to do so, she would have wanted to help save other animals by allowing her body to be studied. She would have especially wanted to do so because one of her favorite family members, Catherine, a high school student, wants to become a veterinarian.

**About the WAVE Program:**

*The College of Veterinary Medicine’s Reverence for Life Commitment* promises that animals will not be harmed in our teaching programs. A key element of this commitment is the WAVE (Willed deceased Animals for Veterinary Education) Program, which reaches out to animal owners to ask that they consider donating their beloved pets’ remains to anatomy and clinical skills education at the college (WAVE Program is modeled after the Human Willed Body Program at WesternU). More than 500 deceased animals have been donated to the college in the last two years. These special animals are providing a greater quality of education to future generations of veterinarians.

All donations to WAVE must be deceased due to age, serious illness or injury. An animal that has no owner to approve the donation of its remains will not be accepted. When you know that the death of your beloved pet might be imminent, and you live within 40 miles of the college, please ask your veterinarian about donating to WAVE. Your veterinarian may contact Ms. Tami Miller at (909) 469-5597 to make all arrangements.

**Always in Our Hearts: Stories from WAVE** appears as a regular feature in each issue of the Outlook.

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**Establishing a Pet Trust**

Those concerned about what will happen to their animals should their human caregivers become incapacitated or die might consider including provisions in an estate plan. One means of doing so is to establish a charitable remainder unitrust to ensure their care in the event disaster strikes. This can be easily accomplished, and WesternU’s Planned Giving Office is available to assist in this process. For more information, contact Olive Stephens, Planned Giving administrator, (909) 469-5211 or osthenen@westernu.edu.
Our students are on journeys of discovery.

Nicole Alcain, DVM ’10

CVM Calendar

OCTOBER 2011
Oct. 31 – Nov. 2
Board Prep

NOVEMBER 2011
3-4
Job Fair
12
A Tribute to Caring
Nov. 14 – Dec. 15
National Board Exam
24-25
Thanksgiving Break

DECEMBER 2011
19-30
Winter Break

JANUARY 2012
2
Classes Resume

FEBRUARY 2012
4
Preceptor Research Day

MARCH 2012
19-23
Spring Break
21-23
California Regional Education Symposium (CARES)
26
Honors Day

APRIL 2012
21
Open House

WesternU College of Veterinary Medicine
309 E. Second Street • Pomona, CA 91766-1854
Contact Tim McPheron at (909) 706-3762 • tmcpheron@westernu.edu
MISSION STATEMENT:

The College of Veterinary Medicine is committed to serving society and animals through the preparation of students for the practice of veterinary medicine, veterinary public health and/or veterinary research in an educational program of self-directed learning, reverence for life and clinical education through strategic partnerships. Instruction and clinical opportunities are provided in a wide variety of domestic species, including food animal, equine, and companion animals. The college sustains a vibrant diverse faculty by encouraging advancement through personal and professional development and research. This creates an environment of competent, caring, ethical professionals, where cooperative learning, public service and scholarship can flourish.