



QUARTERLY SCHOOL REPORT

Key Statistics

Development

Fiscal Year to Date: **\$33,722,769.**

This figure includes bequest expectancies and pledges.

New donors: **6,142**

Research

For Jan-March 2019, there were 103 awards made to 61 SVM faculty for a total of **\$8,249,504.** Two awards were over **\$1M.**

Papers published

For Jan-March 2019, **140 papers were published** (including epub)

January – March 2019

Highlights



Positron Emission Tomography Performed on Standing Horse for First Time

The school has achieved another milestone in clinical equine imaging with the first successful use of positron emission tomography (PET) on a standing horse. Equine PET, pioneered at UC Davis with the first horse imaged in April 2015, has until now required patients to be under general anesthesia. The ability to utilize this technology on a standing horse under sedation instead of anesthesia greatly expands the availability of this powerful imaging technique. **More:** <https://bit.ly/2ZbZXVM>

Research team receives \$9M to Preempt Zoonotic Spillover Threats, Protect Military and Local Communities

A research team led by the One Health Institute in the UC Davis School of Veterinary Medicine and the Center for Comparative Medicine in the UC Davis schools of Medicine and Veterinary Medicine received an up-to \$9.37 million award over 3½ years from the Defense Advanced Research Projects Agency, or DARPA. The team will concentrate efforts on Lassa virus and Ebola virus. **More:** <https://bit.ly/2Ut9WXW>



Introducing Salish Sea Wild

Salish Sea Wild

From the salmon streams born in snow-capped mountains, to the rich upwellings of the Pacific Ocean, the travels of Joe Gaydos are featured in SeaDoc's adventure video series, Salish Sea Wild, as he encounters the wildlife that depend on this diverse environment. **More:** <https://bit.ly/2UchWYx>

Top News Stories

Scientists Discover Ebola Virus In West African Bat **Science Mag**



Massive Starfish Die-Off Is Tied To Global Warming **NPR New York Times**

Pets Burned in California's Camp Fire Find Relief in Fish-Skin Treatments **CBS Evening News**

Don't Kiss Your Pet Hedgehogs, C.D.C. Warns **New York Times**

"Major Milestone" As Standing PET Imaging Debuts in Horses **HorseTalk**

Why We Think Cats Are Psychopaths **The Atlantic**

Study Finds Spike in Deadly Heart Disease Linked to Trendy Dog Diets **Phys.org**

Equine Sinus Surgery First as Human Tech Used in Operation **HorseTalk**

Human Antiviral 'GS-441524' Shows Great Promise Against Feline Infectious Peritonitis **Phys.org**

Where Will the World's Next Zika, West Nile or Dengue Virus Come From? **Science Daily**

Pre-empting Zoonotic Disease Threats **JAVMA News**



UC Davis School of Veterinary Medicine Dean Appointed President of the Association of American Veterinary Medical Colleges

Michael Lairmore, D.V.M., dean of the University of California, Davis, School of Veterinary Medicine, has been appointed president of the Association of American Veterinary Medical Colleges (AAVMC). Lairmore, a veterinarian and scientist who is a member of the prestigious National Academy of Medicine, will serve a one-year term through March, 2020. **More: <https://bit.ly/2lpeh79>**

UC Davis Tops National Veterinary School Rankings for the Fifth Straight Year

UC Davis was ranked at the top of U.S. veterinary schools for the fifth straight year by *US News & World Report* and QS, or Quacquarelli Symonds. In addition, the third organization to rank veterinary schools, Academic Ranking of World Universities (ARWU), also places UC Davis at the top in the United States. All three rankings agencies use different methodologies. **More: <https://bit.ly/2WZMsGH>**

UC Davis Introduces Summer Veterinary Business Certificate Program

The School of Veterinary Medicine and Graduate School of Management (GSM) have jointly launched a new Foundations of Veterinary Business program. It will provide a cost-effective and time efficient opportunity to develop a solid business foundation and practical skills required to manage and lead successful veterinary practices. The 2019 summer program, launching on May 31, includes online learning modules developed by the GSM in conjunction with three mandatory on-site Saturday meetings on June 29, July 20, and August 10. **More: <https://bit.ly/2Gaqlf1>**



Winning Jockey – Soon to be Vet

Aces

Meet Ferrin Peterson – a jockey in Northern California, as well as a fourth-year veterinary student at UC Davis.

More: <https://bit.ly/2UO5S3O>



Southern California Mountain Lions Face Possible Extinction **Orange County Register**

Senior Dogs Can Suffer from Dementia Just Like People Do; Find Out If Your Older Pup Needs Help **People**

Accolades

Drs. Isaac Pessah and Dr. Philip Kass were elected as fellows to the American Association of the Advancement of Science. They were two of only seven veterinarians selected.

Dr. Beatriz Martínez López was selected as a 2018-2019 Chancellor's Fellow—one of only 10 at UC Davis.



Dr. Melissa Bain is receiving the World Small Animal Veterinary Association's 2019 Companion Animal Welfare Award.

Dr. Danika Bannasch won the International Canine Health Awards – International Award 2019 from the Kennel Club.

Highly Cited Papers – Examples

Paradoxical effects of obesity on T cell function during tumor progression and PD-1 checkpoint blockade

Nature Medicine, January 2019. Volume: 25 Issue: 1
Impact Factor 33.4

UC Davis authors: Withers, Sita S.[2]; Rebhun, Robert B.[2]

The recent successes of immunotherapy have shifted the paradigm in cancer treatment, but because only a percentage of patients are responsive to immunotherapy, it is imperative to identify factors impacting outcome... obesity is also associated with increased efficacy of PD-1/PD-L1 blockade in both tumor-bearing mice and clinical cancer patients. These findings advance our understanding of obesity-induced immune dysfunction and its consequences in cancer and highlight obesity as a biomarker for some cancer immunotherapies. These data indicate a paradoxical impact of obesity on cancer. There is heightened immune dysfunction and tumor progression but also greater anti-tumor efficacy and survival after checkpoint blockade which directly targets some of the pathways activated in obesity.

A nonhuman primate model of inherited retinal disease

Journal of Clinical Investigation, February 2019. Volume: 129 Issue: 2
Impact Factor 14.4

UC Davis authors: Davis, Sarah[6]; Pomerantz, Ori[6]; Thomasy, Sara M.

Inherited retinal degenerations are a common cause of untreatable blindness worldwide, with retinitis pigmentosa and cone dystrophy affecting approximately 1 in 3500 and 1 in 10,000 individuals, respectively... Genetic sequencing confirmed a homozygous R565Q missense mutation in the catalytic domain of PDE6C, a cone-specific phototransduction enzyme associated with achromatopsia in humans. Biochemical studies demonstrate that the mutant mRNA is translated into a stable protein that displays normal cellular localization but is unable to hydrolyze cyclic GMP (cGMP). This NHP model of a cone disorder will not only serve as a therapeutic testing ground for achromatopsia gene replacement, but also for optimization of gene editing in the macula and of cone cell replacement in general.

Lipoprotein lipase is active as a monomer

Proceedings of the National Academy of Sciences of the United States of America, March, 2019. Volume: 116

Issue: 13

Impact Factor 10.0

UC Davis authors: Stanhope, Kimber L; Havel, Peter J;

Lipoprotein lipase (LPL), the enzyme that hydrolyzes triglycerides in plasma lipoproteins, is assumed to be active only as a homodimer... We conclude that catalytically active LPL can exist in a monomeric state.

Dr. Nicole Baumgarth will serve as a member of the Cellular and Molecular Immunology B Study Section, Center for Scientific Review, for the National Institutes of Health through June 30, 2023.

Dr. Laurel Gershwin has been named as the 2018 Distinguished Veterinary Immunologist by the American Association of Veterinary Immunologists (AAVI) for lifetime achievement in veterinary immunology.

Dr. Jonna Mazet has been named a co-vice chair of the UC Global Health Institute (UCGHI) Board of Directors.



Student **Jamie Fraser Lemus** received the 2019 Dr. Jack Walther Leadership Award at the 91st Annual Western Veterinary Conference. Lemus was selected for her leadership skills and service to the veterinary profession.

Student **Hannah Skolnik** was one of five students selected nationally to represent the Clinical and Translational Science Award One Health Alliance (COHA) at the AMSA convention in Arlington, Virginia from March 7-9. Skolnik and the other students used interactive exhibits to educate medical and pre-medical students about One Health.

Appointments

Leadership

Monica Aleman as Terry Holliday Presidential Chair, 3/1/19

Pat Conrad as Assoc Dean for Global Programs, 1/1/19

Bart Weimer as Department Chair of PHR, 1/1/19

Kirsten Gilardi and **Michael Ziccardi** reappointed as Co-Directors of the Drayer Wildlife Health Center

Beate Crossley and **Ashley Hill** as Interim Co-Directors of CAHFS

Stephen McSorley, Director, Center for Comparative Medicine

New faculty:



Eunjoi "April" Choi
Health Sciences
Assistant Clinical Professor
of Anatomic Pathology,
Feb 1, 2019



Sarah Depenbrock
Assistant Professor of
Clinical Livestock
Medicine and Surgery,
January 2, 2019



Brian Hardy
Health Sciences Assistant
Clinical Professor of Small
Animal Internal Medicine,
January 2, 2019



Tomofumi Kurobe
Assistant Adjunct Professor
of Aquatic Toxicology,
January 2, 2019



Sean Hulsebosch
Health Sciences Assistant
Clinical Professor of Small
Animal Internal Medicine,
March 1, 2019

Top Social Media Posts

UC Davis School of Veterinary Medicine
Published by Margaret Wong [?] · January 28 · 🌐

You care for your dog like one of the family, but is what you're feeding them a good diet? Our experts warn that some of the popular grain-free and legume-rich dog diets may be linked to canine heart disease and nutritional deficiency.




UCDAVIS.EDU
Dogs Fed Some Popular Diets Could Be at Risk of Heart Disease

Facebook Top Post

Reach **58460** / Likes **1198** / Comments **493**
Shares **657** / Clicks **4939**

UC Davis Vet Med
@ucdavisvetmed

We are honored to be ranked first in the nation for the fifth year in a row in **#veterinaryscience** by @worlduniranking! - [vetmed.ucdavis.edu/news/uc-davis- ...](http://vetmed.ucdavis.edu/news/uc-davis-...)



1:50 PM · 26 Feb 2019

Twitter Top Post

Impressions **16990** / Likes **130** / Comments **13**
Shares **21** / Clicks **38**



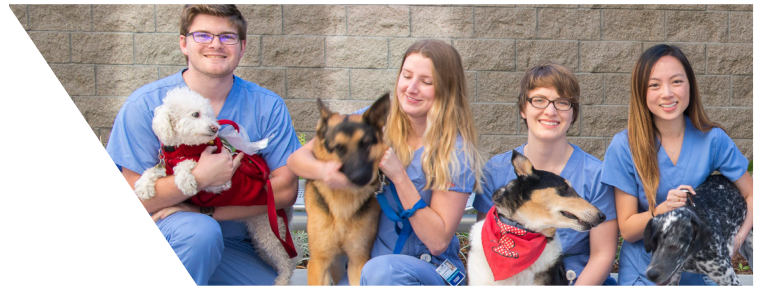
ucdavisvetmed

ucdavisvetmed Tag 1839, a 2-year-old Jersey dairy cow, was brought to the UC Davis veterinary hospital for suspected pneumonia. She had been treated appropriately by her primary veterinarian, but without significant improvement, so she was referred to the Livestock Medicine and Surgery Service for further diagnostics and treatment. A blood test showed evidence of severe chronic inflammation, and an ultrasound showed that she had fluid, inflammation, and an abscess in her chest cavity. Radiographs of her chest showed that she had a foreign body—a piece of wire—extending from the first compartment of her stomach toward

👍👍👍
Liked by lifeofavet and 2,392 others
MARCH 1
Add a comment... Post

Instagram Top Post

Impressions **15,136** / Likes **2,393**
Comments **38**



Strategic Plan: Progress Actions

January – March 2019

The School of Veterinary Medicine Strategic Plan was developed to evolve and refine the direction of the school to meet its stated mission, vision and goals. The plan is supported by the Principles of Community established by the University of California, Davis (university), which articulates the values and principles by which the UC Davis School of Veterinary Medicine (school) conducts its mission. The plan can be found at <https://www.vetmed.ucdavis.edu/strategic-plan>.

GOAL 1: EDUCATE WORLD LEADERS

1.1. Promote Faculty and Staff Engagement in Career Development Programs and Best Practices for Educators

Provided faculty with Peer Observation and Coaching Sessions in the classroom and in the clinic (7).

Provided orientation sessions for teaching in the curriculum and educational development for 4 new faculty.

1.2. Promote Dynamic, Up-to-Date Curriculum and Training Programs to Foster Educational Goals and Career Opportunities

Completed Fall Semester Course Debriefs (annual reviews) (12)

Upgraded to Remark Cloud, providing expanded assessment capabilities for anatomy practical examinations.

Launched Peer Tutoring program; second year students tutor first year students (student initiative).

Launched Spring Semester pilot of new Clinical Competency Review and Remediation program for fourth year students.

1.3. Establish and Maintain Programs and Strategies that Promote a Diversified Professional Community

Jandrey appointed to and began participation in the UC Health Diversity and Inclusion Task Force

Jandrey, O'Bryan, and McCall attended AAVMC Iverson Bell Symposium for Diversity and Inclusion in Veterinary Medicine

Final planning stages for Summer 2019 outreach programs

Hired 2 new DVM student ambassadors

1.4. Implement Multiple Strategies to Reduce Educational Debt for Professional Degree and Graduate Students

UC Regents approved MPVM professional fees – there will be no increase for 2019-20; UC Regents will vote on DVM professional fees in May – there will also be no increase for 2019-20.

VMDO Finance Office finalized Return-to-Aid (financial aid amounts) for 2019-20 for the MPVM and DVM programs.

GOAL 2: LEAD IN INNOVATION

Strategy 2.1. Promote Innovative Multi-Disciplinary Collaborations to Address Societal Needs

On Tuesday, March 26, the UC Davis School of Medicine and School of Veterinary Medicine had their first research mixer where joint collaborations were discussed in the areas of Cardiology, Orthopaedics and Pain Anesthesiology. Sponsored by the UC Davis Clinical and Translational Science Center, School of Medicine and School of Veterinary Medicine, the mixer brought together investigators to foster new research collaborations.

Strategy 2.2. Enhance Research Training and Experiential Opportunities for Clinician-Scientists, Residents, Veterinary Students, and Graduate Students

The hospital hosted the 41st Annual Veterinary Resident & Intern Research Symposium (formerly known as House Officer Seminar Day) where 47 research projects were presented by residents, interns and fellows as part of the nation's largest advanced training program for veterinarians.

Eight UC Davis veterinary students and two faculty mentors, Drs. Beatrice Martinez-Lopez and Janet Foley, joined hundreds of veterinary students and faculty from across the country at CDC Veterinary Student Day on January 13 and 14.

Strategy 2.3. Enhance Shared Resources that Support Clinical, Basic, and Translational Science

Finalized the Campus Core Facilities Task Force Report (participants included Isaac Pessah as chair of the committee and Mary McNally as one of the authors of the report). The report provides guidance regarding funding and administration for the 17 core facilities on the campus – 2 of which are in the School of Veterinary Medicine.

Strategy 2.4. Promote Impact of School's Research to Enhance Recognition and Influence Policy and Stakeholder Engagement

Collaborated with strategic communications to publicize key research findings on such topics of the possible extinction of Southern California mountain lions, the impacts of microbes in hummingbird feeders, and the link between bulldogs' screw tails and human genetic disease.

GOAL 3: PROVIDE CUTTING-EDGE CLINICAL PROGRAMS

Strategy 3.1. Enhance the Veterinary Medical Center (VMC) Services to Promote an Unmatched, Compassionate Patient Care and Client Experience

Veterinary hospital human resources department instituted a volunteer program to assist clients with concierge services, ease work overload on client services staff, and other administrative duties to assist staff and clinicians. This program will free-up valuable time needed by VMTH personnel to best serve clients and patients.

Strategy 3.2. Support Veterinary Medical Center (VMC) Programs that Promote a Culture of Collaboration, Excellent Educational Experiences, and Innovative and Effective Clinical Care

The VMTH launched an initiative with Partners in Leadership (PIL) that during this quarter included:

Telephone interviews with a small group of staff and faculty conducted by PIL in order to obtain background information on current culture

An electronic survey-based assessment of up to 100 staff and faculty conducted by PIL, also to obtain an understanding of current culture

A 1.5 day workshop including about 100 staff and faculty to develop key, measurable results that are critical for the VMTH's future success, and five cultural shifts, or pillars, that the VMTH team saw as

necessary to achieve those results moving forward.

Training of a small group (8-12) of internal facilitators, who are now working to bring the program to the greater VMTH community

Strategy 3.3. Advance Veterinary Medical Center (VMC) Facility Plan, Operations and Infrastructure

SVM-IT Finished the core deliverables for the Veterinary Healthcare Information System (VHIS). This is the conclusion of a three-year project. We will continue to release updates every 3-6 months.

SVM-IT finalized the project plan and contract for the PACs project – our new imaging system.

Strategy 3.4. Promote Expertise, Program Breadth and Innovation for Reputation and Philanthropic Success

DVM Student Ambassadors hosted SVM informational booth at Call of the Wild Cat Show in Santa Rosa

Hosted ½ informational visit for pre-veterinary students from UC Merced

Admissions Recruitment trip to pre-veterinary undergraduate student groups in Southern California (UCR, UCI, Cal Poly Pomona and SLO, UCLA)

Advancement team hosted the executive communications team from the UC Office of the President for a tour of the Veterinary Medical Center. This collaboration will help advance communication and promotion of clinical activities throughout the UC system and beyond by opening new outlets for news on clinical discoveries and advancements.

GOAL 4: ADVANCE THE WELLBEING OF ANIMALS AND PEOPLE

Strategy 4.1. Prioritize School Resources that Focus on Initiatives to Address Societal Needs

VMDO Finance Office finalized the financial organizational structures for the six SVM academic departments in preparation for the new financial system AggieBudget. Next step is to finalize financial organizational structures for the centers and the VMTH.

Nominations open for the new Schools of Medicine, Veterinary Medicine and Nursing-led UC Davis Sustainability Health and Environment (SHE) Working Group that is part of a multi-campus group focused on infusing these topics into the UC system's professional school curricula. The SHE working group is part of the Carbon Neutrality Initiative spearheaded by Janet Napolitano's office on Carbon Neutrality in UC Office of the President.

Strategy 4.2. Enhance Local and Global Communications, and Engagement to Advance the School's Impacts

Communications group increased media relations activities and launched a new communications plan with six strategies: empowering staff; supporting leadership; increasing revenue; building the brand; becoming stakeholder-centric and supporting strategic goals.

Strategy 4.3. Increase Multicultural Awareness and Outreach to Underserved Populations and Communities

Partnered with HBCU, NC A&T for Summer Enrichment Program applicants

Increased Diversity Day to Diversity Week (April 1-5) Activities included:

Pin your ancestry origin on the large map - located all day in Gladys Valley Hall

"Courageous Conversations", presented by Deborah McKnight, M.S., Ed.D.

Panel Discussion & Celebration and Potluck

Presented to about 60 8th grade students in Vallejo (high diverse population) with Alumnus Damion Walters

Hosted UC Merced (high diverse population) pre-vet club at campus during Diversity Week

Recruiting trip to diverse serving institutions; Cal Poly Pomona, UC Riverside, Pomona College and UC Irvine

Outreach to prospective students at the World Ag Expo in Tulare, February 12-14

Strategy 4.5. Advance Strategic Communications and Use Information Technologies to Demonstrate Program Success and Impacts of Education, Research, and Outreach Programs

SVM-IT developed new SiteFarm websites for: the California Raptor Center, VM Biological Media Services, the PREDICT program, VM Teaching and Research Center in Tulare, SVM Safety Program, the Veterinary Institute for Regenerative Cures, the PCR Laboratory, VM Cooperative Extension.

SVM IT completed 801 service requests in January, 662 in February, and 716 in March.

SVM IT hired a new Computer Resource Specialist 2 to provide help-desk support (this is a replacement hire to replace a specialist who resigned).

SVM IT completed the upgrade of the POSIM Point-of-Sale system for VM Biological Medical Services.

GOAL 5: PROMOTE A VIBRANT AND DIVERSE COMMUNITY

Strategy 5.1. Build Community through Value, Respect and Awareness for All

Completed analysis of MMI data and sent offer letters to potential members of the Class of 2023, final acceptance date 15 April 19

Planned, advertised and held VetCAN Virtual Career Fair

Sponsored Leadership Workshops (StrengthsFinder, two others with WVLDI)

Started Friday faculty/staff/student yoga in Scrubs (in addition to the Active Aggies on Mon./Wed. – in conjunction with Healthy UC Davis)

Planned and hosted Diversity Week in collaboration with student groups

Strategy 5.2. Clarify and Support Expectations for Career and Personal Development of Faculty, Staff, and Students

ASPO staff half-day teamwork & strategy retreat

Fundamentals of Retirement Income Planning, 2/27/19 (mentoring session)

Women and Investing, 3/6/19 (mentoring)

Strategy 5.3. Recognize the School's Sustainability and Success Depends upon our People Resources

VMDO Administrative Office finalized sixty unrepresented staff equity proposals for the SVM. Received approval for sixty equity proposals by campus Human Resources Unit.

Received approval from the UC Regents for APM 675 – the Veterinary Medicine Salary Administration Policy. This officially includes SVM salary scale in the Academic Personnel Manual (APM) and permits SVM faculty members to retain consulting funds from non-patient care consulting.

Call for Nomination: Faculty Leadership Academy