

State of School

2013

Michael D. Lairmore

Dean
University of California
Davis, California
June 12, 2013

Mission

**Advance the Health of
Animals, People and the
Environment**

Vision

**Leading Veterinary Medicine
Addressing Societal Needs**



GOAL 1: Educate world leaders in academic veterinary medicine, veterinary medical practice, public and environmental health



Dr. Sean Owens Associate Dean for Student Programs



- **Veterinary Student Admissions** - Evidence-based admissions → diversity, societal and multicultural needs
- **Community Outreach** - key-stakeholders (i.e. advisors)
- **Diversity** - Increase underrepresented students
- **Financial Aid Counseling** - Comprehensive support
- **Student Clubs** – Create and nurture student involvement
- **Career Development Center** - Career Development and Student Services Center
- **Student Ceremonies** – High quality events & ceremonies
- **Communications** - Engage and inform stakeholders

Admissions Evaluation Non-technical Skills

- ✓ Letters of Recommendation (Web-Based Evaluations)
- ✓ Multiple Mini Interview (MMI) technique
 - Series of short, structured interviews
 - Each - Candidate → 3 min to read/prepare
 - 7 min of dialogue with one interviewer/assessor
 - Interviewer/assessor – 3 min period to evaluate
 - Circuit of up to 8 stations
- ✓ Test - communication skills, teamwork, ethical and critical decision-making -important to being a veterinarian such as empathy, honesty and reliability

Attract, mentor and support the best and brightest students and trainees – Veterinary Students



- **Class of 2017** - 138 students, 109 are California residents; 29 Out-of-State; 115 women, and 23 men.
- Mean Science GPA 3.69; GPA for the last 45 semester units was 3.81
- The students report the following **professional interests**: Small animal – 55, Equine – 5, Mixed animal – 20, Wildlife and zoological medicine – 20, Laboratory animal – 4, Small animal/equine – 11, Avian/exotics – 4, Food, large and dairy – 15, Public Health – 13, Academics/Research/Teaching - 18

Dr. Jan Ilkiw reappointed as Associate Dean Academic Programs



- ✓ Professional curriculum, ensuring academic quality and national/international reputation
- ✓ Curriculum committee, continued development, implementation, and review
- ✓ Resources faculty support services, animals, and facilities, needed to deliver the curriculum.
- ✓ Highly respected nationally and internationally for her leadership, vision, and innovation in education
- ✓ Developed a sophisticated curriculum mapping, content management, and outcomes assessment system
- ✓ Expertise in information technology and academic personnel
- ✓ Highly effective mentor of professional students

New Curriculum – Core Principles

- Student-centered and 20 hour max. contact time per week
- **Integrated block** design with basic, paraclinical and clinical material interwoven
- Include **early exposure to clinical material** - cases and rotation in Veterinary Medical Teaching Hospital
- Utilize multiple learning techniques that **promote self-directed learning and development of problem solving skills**
- Utilize **comparative clinical cases** and problem-solving exercises
- Emphasize knowledge required for an **entry-level veterinarian**

Clinical Competencies

- Comprehensive **patient diagnosis (problem solving skills)**, including laboratory testing, and record management
- Comprehensive **treatment planning** including patient referral
- **Anesthesia and pain management**, patient welfare
- Basic **surgery skills**, experience, and case management
- Basic **medicine skills**, experience and case management
- **Emergency** and intensive care case management
- **Health promotion**, disease prevention/biosecurity, zoonosis, and food safety
- Client **communications and ethical conduct**
- Critical analysis of **new information** and research findings relevant to veterinary medicine

New Curriculum – Milestones

- ✓ Team-Based Learning (TBL) workshops and formation of TBL working group
- ✓ First 2 years of new curriculum have been delivered; 2nd year comprehensive exams
- ✓ Outcomes and competency tracking systems established
- ✓ Length of Third Year Streams –set as recommended
- ✓ Data on options for students for years 3 and 4
- ✓ Minimum 36 weeks SOVM Clinical Rotations
- ✓ Third year curriculum designed
- ✓ All in-class examinations on Examsoft
- ✓ Track Coordinating Committee - externship selections
- ✓ Academic calendar for 2013-2014 has been published

Academic Programs Curricular Support Team – Performance Under Pressure



- Received in August 2012 the Staff Award for Distinguished Citation for Excellence by Chancellor Katehi
- Gourley Team – 2 curriculum's wet labs, extended hours, increase efforts
- Integrated new curriculum
- Transition MPVM to Graduate Group
- Initiated new course approval forms
- ~30 Curriculum Committee meetings and extensive administrative support
- Minimized chaos on a daily basis
- Anatomy lab team – 2nd year labs, increased specimens, dissections, etc.

Infrastructure Investments to Support Mission

| <u>Amount</u> | <u>Investment</u> |
|------------------|---|
| \$ 29,000 | Furnishings for 2411 Tupper (faculty conference room) |
| \$ 14,000 | Tupper break room |
| \$ 40,000 | Furniture for Valley Hall (conference table, ect.) |
| \$ 12,000 | Furniture for Valley Hall Lobby |
| \$ 80,000 | VMTRC well repairs. |
| \$221,000 | Counseling renovations |
| \$ 35,500 | Student Program renovations in Schalm |
| \$ 19,000 | CE Office Renovations in Schalm |
| \$ 45,000 | Veterinary Clinical Trials Office |
| \$149,000 | Teaching Labs |
| \$137,000 | Mock exam rooms with video in Valley |
| \$ 94,000 | AV upgrades and flat screens |
| \$ 20,000 | Gourley office furniture |
| <u>\$195,000</u> | <u>Vet Med 3A walk-in freezers \$195.3K</u> |
| Total | \$1,090,500 |

Student Support – Renovated Counseling Offices and Rooms



Scholarships and Educational Endowments

- 710 Awards
- 2012-2013 awarded \$2 million in scholarships and grants to veterinary students (\$200,000 increase from previous year)
- UC Davis one of largest endowment among veterinary schools
- Priority of fund raising and expressed needs



State and National Realities and Challenges

- **Disinvestment in higher education** in California and nationally
- **Economic sustainability** of veterinary practice and education
- Building **scholarly foundations** of veterinary education
- Evolving veterinary service to meet **changing societal needs**
- Data indicating **DVM distribution problems or over capacity**
- **Shortages in areas of advanced training** in pathology, public health or laboratory-animal medicine
- Some veterinary colleges **increased enrollment, additional veterinary schools**, increasing supply; foreign-trained DVMs
- **Economic value** of the DVM
- Need for **reliable national data** on workforce and market trends

Our Response to Challenges

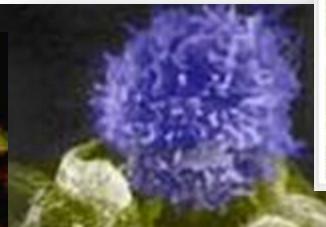
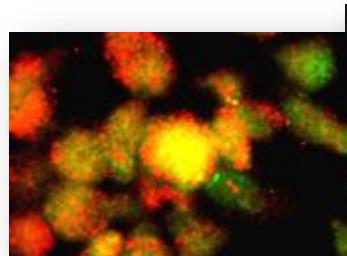
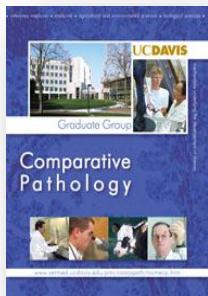
- For 2012-13 - no increases in profession and course fees; For 2013-14 possible modest increase less than inflation
- Incoming class sizes stable at 135-138 per class over past 2 years
- UCD working with AAVMC, CVMA and AVMA – workforce data and producing financial tools and best practices for students
- Hired dedicated Financial Aid Counselor/Scholarship Coordinator
- Robust scholarship program with one of the largest endowment of any veterinary school
- An employment rate of 98% at one year out from graduation
- Partnered with students for “Career Night Event,” bringing practitioners and industry reps to meet with students
- Launched a “Pay down the Debt” campaign to raise scholarship funds
- Training veterinarians to meet societal needs: public health, research, food animal health and emerging diseases
- Focus on fiscally responsive budget and financial practices

Excellence in Graduate Education

4 graduate groups and a DVM-PhD program : Comparative Pathology, Immunology, Epidemiology, Preventive Veterinary Medicine, and Veterinary Scientists Training Program

Graduate Education Support 2012-2013

- Additional FTE staff added to support graduate groups
- Creation of graduate student support office
- Matching for T-32 training grants
- Plans for new Student Services and Administrative Building (coming 2015)
- Support of new designated emphasis for Immunology Graduate Group
- Cost support funds for recruitment events
- New REACH fellowships (2) to support resident to graduate transition
- Enhanced support for VSTP support



Excellence in Graduate Education



- **Morteza Roodgar** (Comparative Pathology Graduate Group) went to Washington DC.
- Organized by chancellor -delegates from all UC campuses meet with California members and discuss the significant research
- New, more sensitive test for tuberculosis (TB). Currently,
- People, dairy cows and other animals can be infected with TB
- Investigating genetic markers of latent TB in order to develop a new TB test
- Morteza is working with a Business Fellow with the Graduate School of Management in order to determine the commercialization prospects of his novel test

Excellence in Graduate Education



Amir Kol (DVM, Dipl. ACVP specialty clinical pathology) is the first veterinarian to receive a graduate-student training position in the CIRM Stem Cell Training Program. (PI: Borjesson)



Julie Beegle was just accepted to the Howard Hughes Medical Institute Program. Critical limb ischemia model for a CIRM grant (PI: Nolta)

- NIH Fellowships - Mary Saunders and David Olivios
- EPA Star fellowships - Amber Roegner and Caroline Moore

Training Grant Recipients:

- CTSC T32 scholars
Samantha McDonnel (PI: Murphy)
Terza Brostoff (PI: Pesavento)
- Vector Biology T32 trainee
Tara Roth (PI: Foley)
- Comparative Medical Science T32 Training program
Molly Church, (PI: Pesavento)
Angela Courtney, (PI: Sweeney)
Dawn Kingsbury, (PI: Baumler)

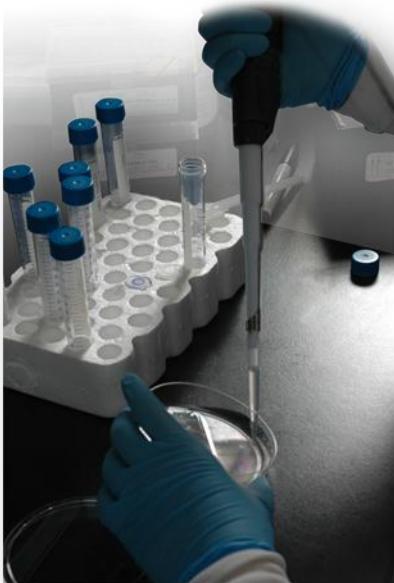
Veterinary Scientists Training Program – Developing Academic Leaders



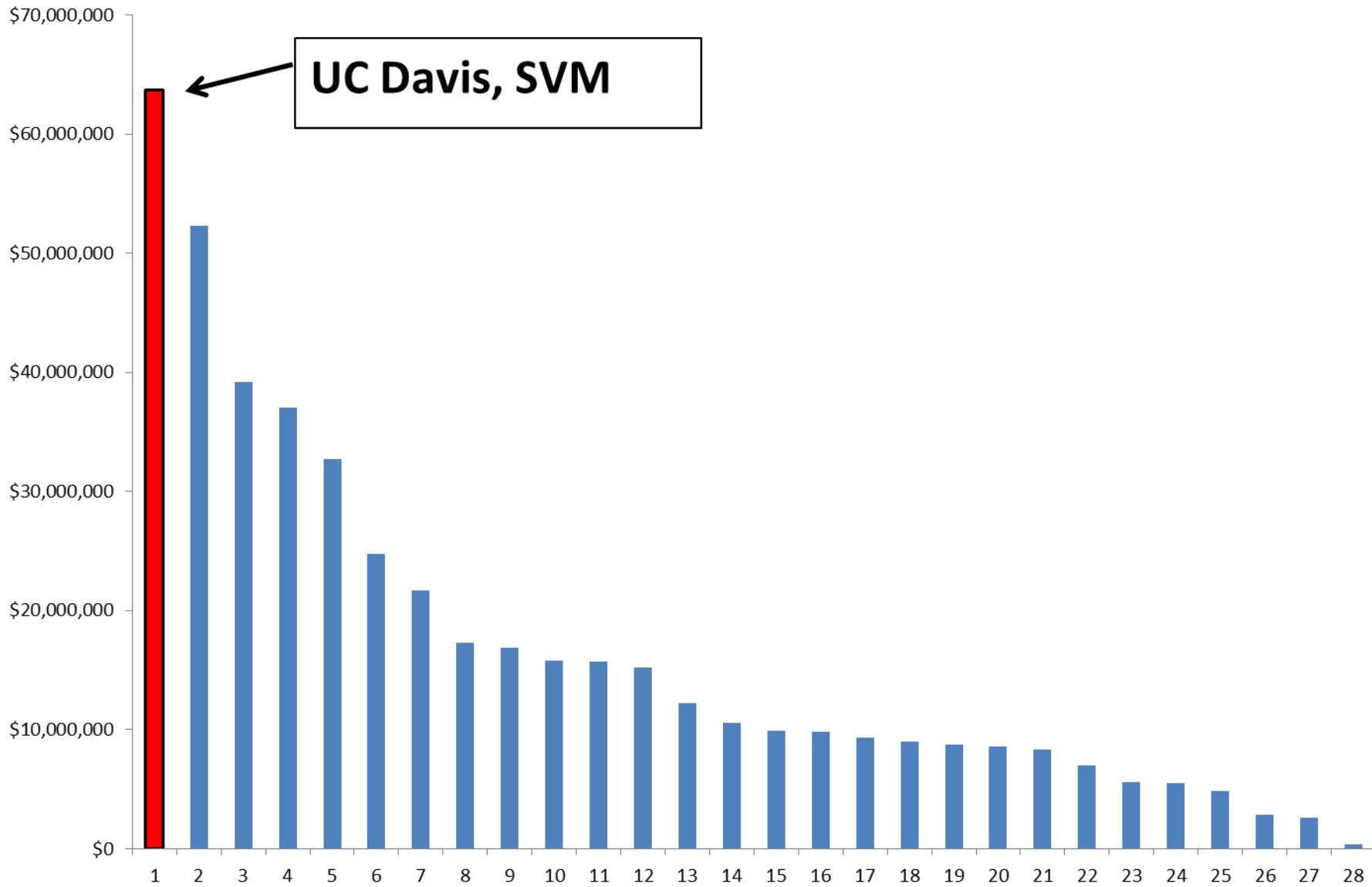
- 15 graduates of the VSTP program 10 of the 15 in academic positions, 2 in industry (Pfizer and Roche)
- 21 current students currently—EPA Star fellows, CTSC funded, Positions on training grants
- Examples of Alumni:
 - ✓ Jennifer Larsen – UCD Clinical Faculty Nutrition
 - ✓ Kristin Evans – Associate Director Mouse Biology Program
 - ✓ Brian Bird – Centers for Disease Control and Prevention
 - ✓ Bethany Cummings – Research Scientist VMB –just accepted an assistant professor position at Cornell CVM
 - ✓ Sarah Thomasy – completed ophthalmology Resident UCD – Research Fellow in ophthalmology
 - ✓ Thomas Waltzek – Assistant Professor University of Florida

GOAL 2:

Be at the forefront of high-impact
trans-disciplinary research.



Research Expenditures for all 28 Colleges and Schools of Veterinary Medicine in the United States 2012-2013



Source: Association of American Veterinary Medical Colleges, Comparative Data Report, 2012-13.





VM3B – Communications Mini Campaign

- Press Releases
- Media tours
- 8 research displays
- 12 Impact Sheets
- 4 Regional TV stations and 3 written publications carried stories
- Facebook and Twitter during and after event
- Development Spotlight electronic newsletter immediately following event
- California Veterinarian (March/April edition)
- VM News publication (Feb)
- UCD Main Web Site carried pictures and story
- SVM Main Web site carried pictures and story 2 weeks before and then moved around front page for 6 weeks afterward
- Internal communications in SVM Activities and Impacts for 6 weeks prior to event



- Shared **break-room areas** on each floor, next to conference room, sliding doors open for air flow



- Sample **Faculty Office**. Water heating/cooling system – breathable materials on furniture - very energy efficient



- **Low office barriers** to promote air flow, natural light from office transoms reflects into core grad student/office areas - very little corridors



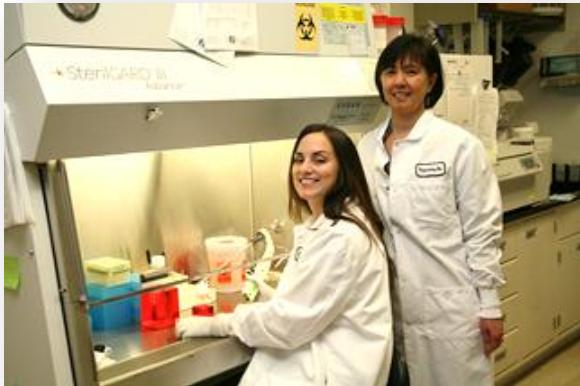
- 2nd, 3rd, 4th floors all designed exactly the same – **open concept labs** – East/West wings on north side of the building with 18 lab work tops. Big windows for natural lighting

\$17 Million Grant to Fund Seizure, Neurotoxin Research



- **Professor Pamela J. Lein** studies neurodevelopmental disorders in the Department of Molecular Biosciences in collaboration with colleagues in the School of Medicine
- August 2012 - **\$17 million research center** dedicated to identifying medical countermeasures for neurotoxic chemicals that cause seizures in humans and animals

Postdoctoral Scientists Recognition



- **Candice Clay**, a postdoctoral researcher at the California National Primate Research Center selected to receive a Hartwell Foundation Fellowship.
- The award recognizes early-stage, innovative and cutting-edge biomedical
- Provides support for two years at \$50,000 in direct cost annually.

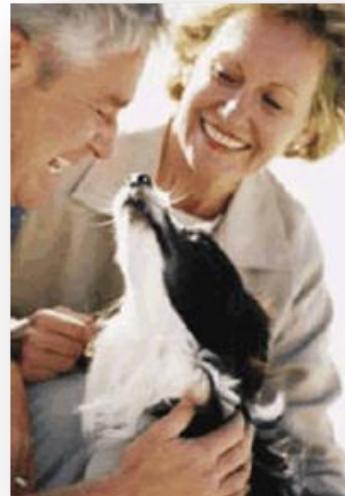
Clay earned her **doctorate in immunology from UC Davis** and will investigate why young children are so vulnerable to lung infections, such as bronchiolitis and respiratory syncytial virus

Attract, mentor and support the best and brightest students and trainees – Veterinary Student STARS



- Students Training in Advanced Research Program, STAR, encourages veterinary students to experience research
- Biomedical studies to clinical research and encompass the health of wildlife, humans/comparative medicine, pets and livestock
- 2012 = 32 total STAR awards -17 attended 2012 Merial Scholars Conference (14 UC Davis, 3 Int'l Students)
- 2013= 33 total STAR awards – estimate at least 14 students will attend 2013 Merial Scholars Conference
- 2015 National Merial Scholars Conference at UC Davis

GOAL 3: Provide cutting-edge clinical programs that support education, research and service



Recruit, retain and cultivate excellent and productive faculty and staff



- After administrative review reappointment of Dr. David Wilson for a 5-year term as **Director of the William R. Pritchard Veterinary Medical Teaching Hospital (VMTH)** effective July 1, 2013.
- Responsibility for the quality of the School's clinical programs, and administration and fiscal oversight of the teaching hospital
- Dr. Wilson has provided strong leadership in realigning the academic and operational functions of the hospital to achieve fiscal stability, and growth
- Effective communicator, advocate for the clinical programs, and has strengthened external communications and marketing of clinical services
- Commitment to maintaining the excellence and international reputation of our teaching hospital



Foster Excellence in Clinical Teaching

- March 22nd, 34th Annual **House Officer Seminar Day**; now named after Dr. Gerald V. Ling, an alum and faculty member
- 49 residents delivered **51 high-quality** presentations -results of innovative clinical and translational research studies
- Many will be **published** in peer-reviewed journals and **presented** at national scientific meetings
- **Topics** included: feline lymphoma Rx, equine anesthesia, feline behavior, variations on hemodialysis platforms, a retrospective study of wild and captive exotic birds, pain management during branding and castration of beef calves, and equine stem cell research

Clinical Excellence – Worldwide Recognition



- Kabang, hero dog from Philippines brought to UC Davis in October 2012, severe facial trauma, heartworms and transmissible venereal tumor.



- On March 5, 2013 Drs. Verstraete and Boaz Arzi and team first performed oral surgery and prepared for the maxillofacial surgery
→ March 27 closed Kabang's facial wound
- Drs. Verstraete and Arzi collaborated with Dr. William Culp, to reconstruct nasal openings and insert stents
- June – Kabang returns to Philippines and begins national tour



New Infrastructure Investments in Imaging and Oncology

- **Completed upgrade to Clinical MRI**
 - 1.5 tesla magnet
 - Allows faster image acquisition
 - Diffusion tensor imaging and improved magnetic resonance angiography
- **Installing Varian TrueBeam Linear Accelerator in the summer**
 - Unparalleled ease and precision in radiation oncology
 - Faster, is more powerful and that seamlessly integrates respiratory gating, imaging and treatment techniques
 - Better tumor localization and increased patient safety



Minimally Invasive – Maximal Impact



- **Minimally invasive and innovative techniques**, collectively under the specialty of Interventional Radiology (IR) pioneered at UC Davis → **expanding worldwide**
- IR techniques—specialized equipment e.g., guide wires, catheters, balloons, and stents to treat many diseases—diagnosis and treatment
 - Near-infrared operative imaging
 - Transarterial chemoembolization
 - Stenting for malignant and benign disease
 - Cryoablation of neoplasia
 - Percutaneous shunts
 - Advanced laparoscopic and thoracoscopic surgery
 - Sentinel lymph node mapping
 - Clinical trials with varying client financial incentives



- Drs. Bill Culp and Michele Steffey faculty leaders

3D Printing Used to Produce Patient Skull Replica



- VMTH oral surgeons are now able to utilize 3-D printing to **create exact replicas** of their patients' skulls
- UC VMTH partnered with UC Davis Translating Engineering Advances to Medicine (TEAM) in the Department of Biomedical Engineering



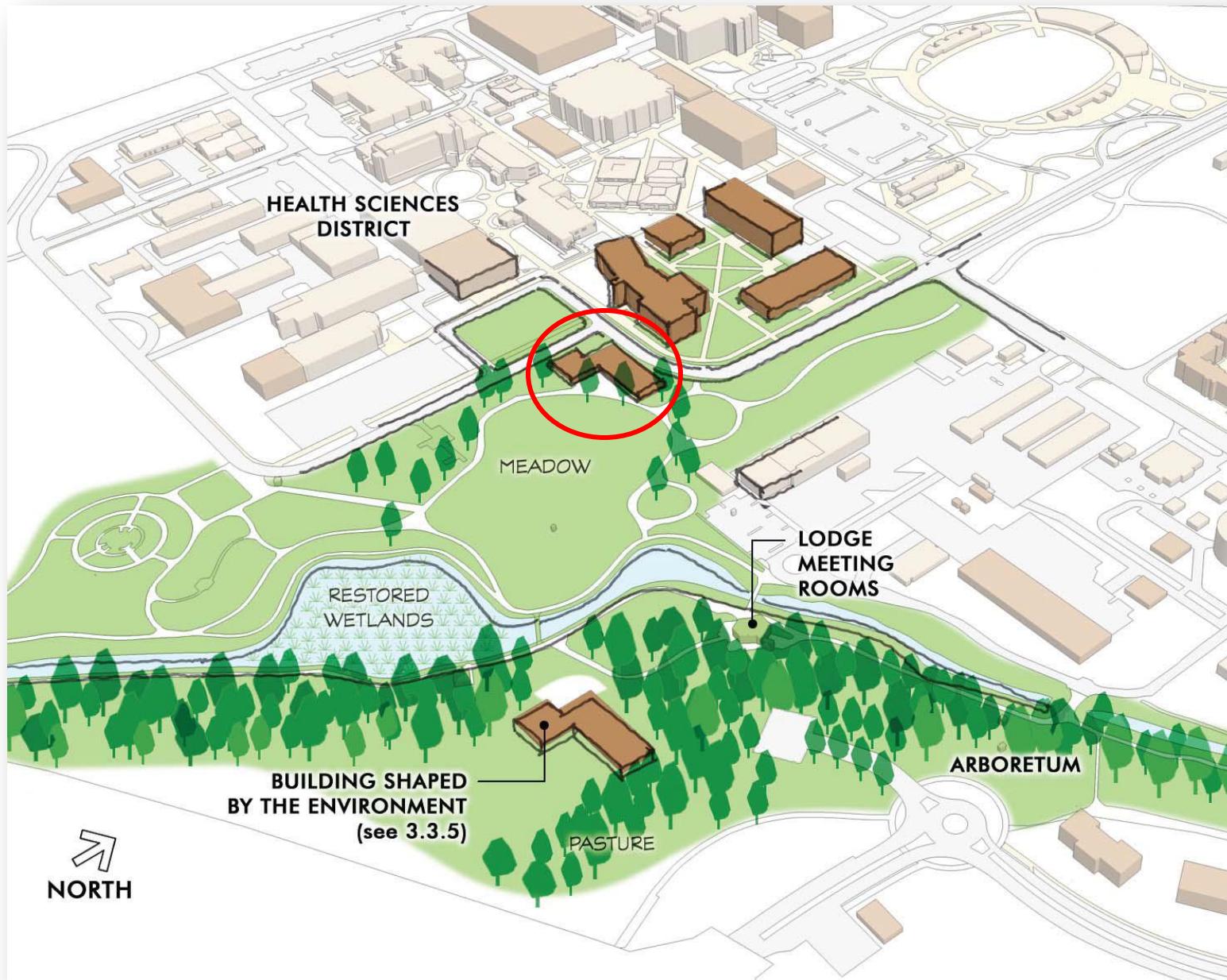
- ✓ Exact, to-scale replica of a patient's skull.
- ✓ Accurately determine the extent and location of an injury or mass
- ✓ Determine close vital structures
- ✓ Accurate sizing of the plates for the surgery
- ✓ Reduces time of surgeries → improves patient safety and outcome.

Clinical Excellence Leading Veterinary Medicine

- Treated 150th patient with Stereotactic Radiosurgery
- Hosted 2nd successful Beef Improvement and Low Stress Cattle Handling Seminar
- Offering partial elbow replacement for dogs with elbow dysplasia
- New virtual Hemodialysis/Nephrology Training Program –VMTH & UCVMC – SD
- Pathology & microbiology – new tests and support multiple programs and studies
- Hosted AAEP 360 Course on Musculoskeletal Ultrasound; worldwide audience
- Regenerative Medicine Laboratory collaborated on three stem cell clinical trials
- Collaborations with biomedical engineers to regrow jawbones in dogs
- Expanded equine dentistry and reproductive services offered
- New equine laminitis clinical trial tests novel anti-inflammatory compound
- CAPES Service introduces the Parrot Wellness & Welfare Program

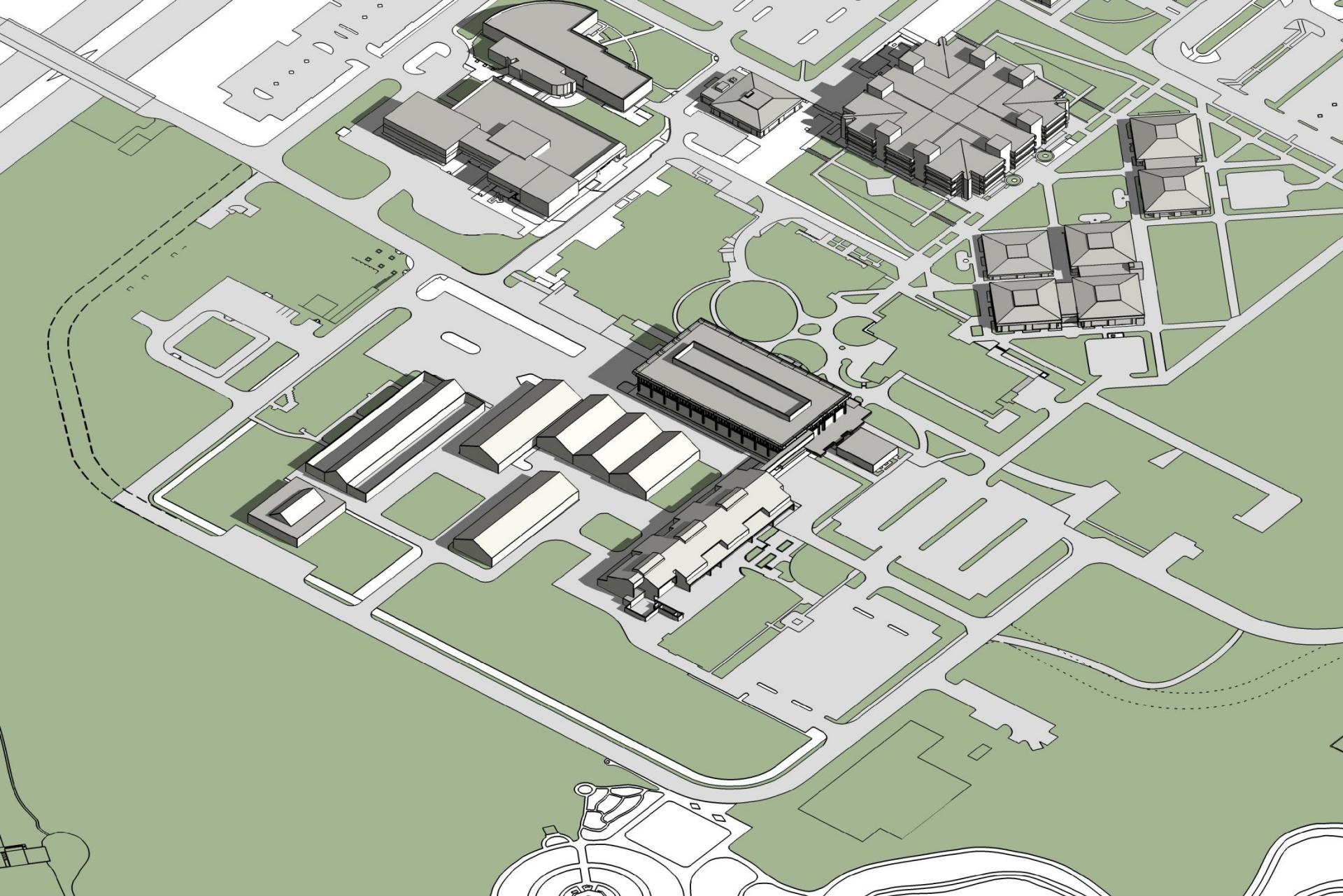
Student Services and Administration Building coming 2015





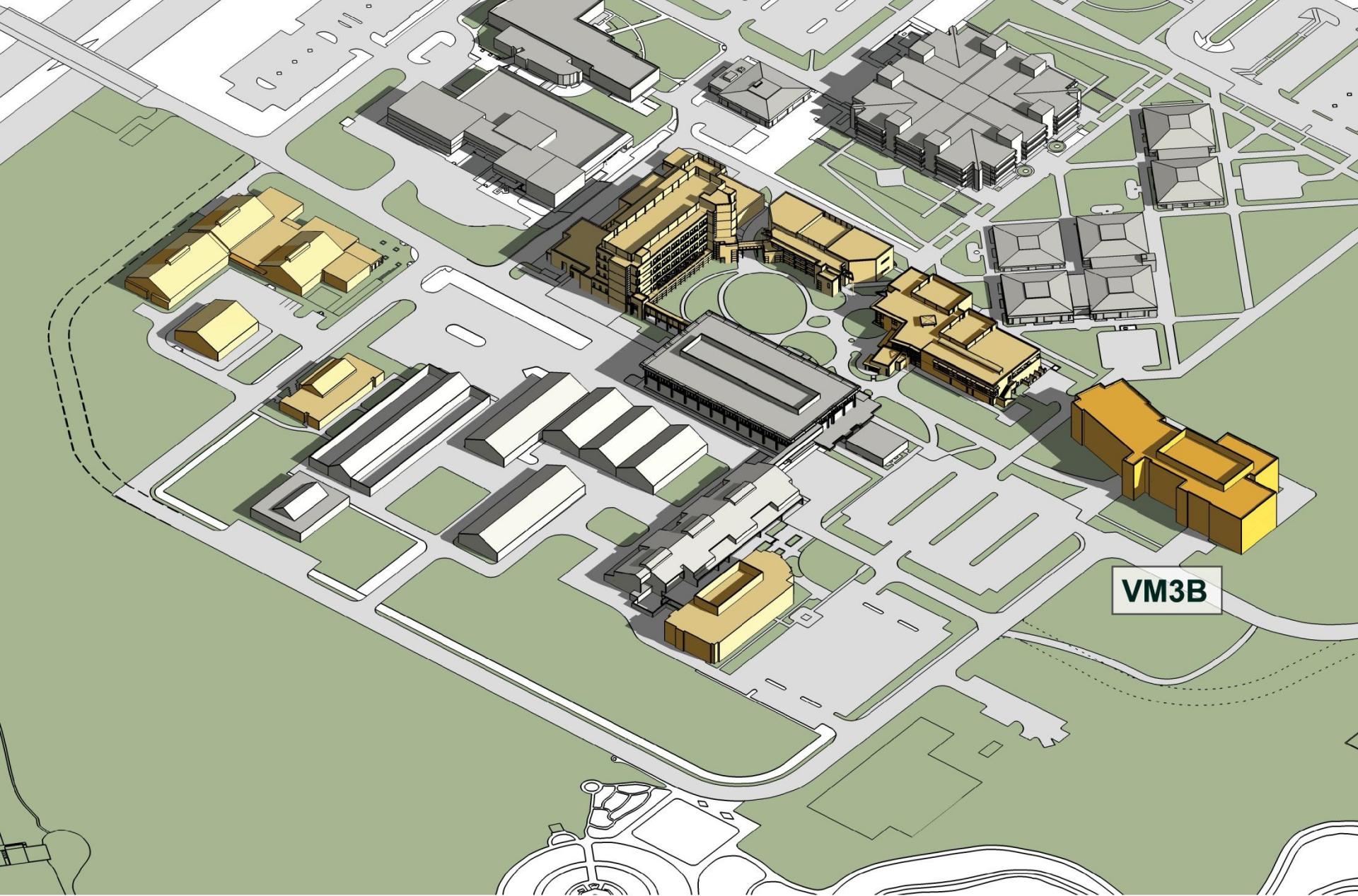
Veterinary Medical Center – Master Planning Update





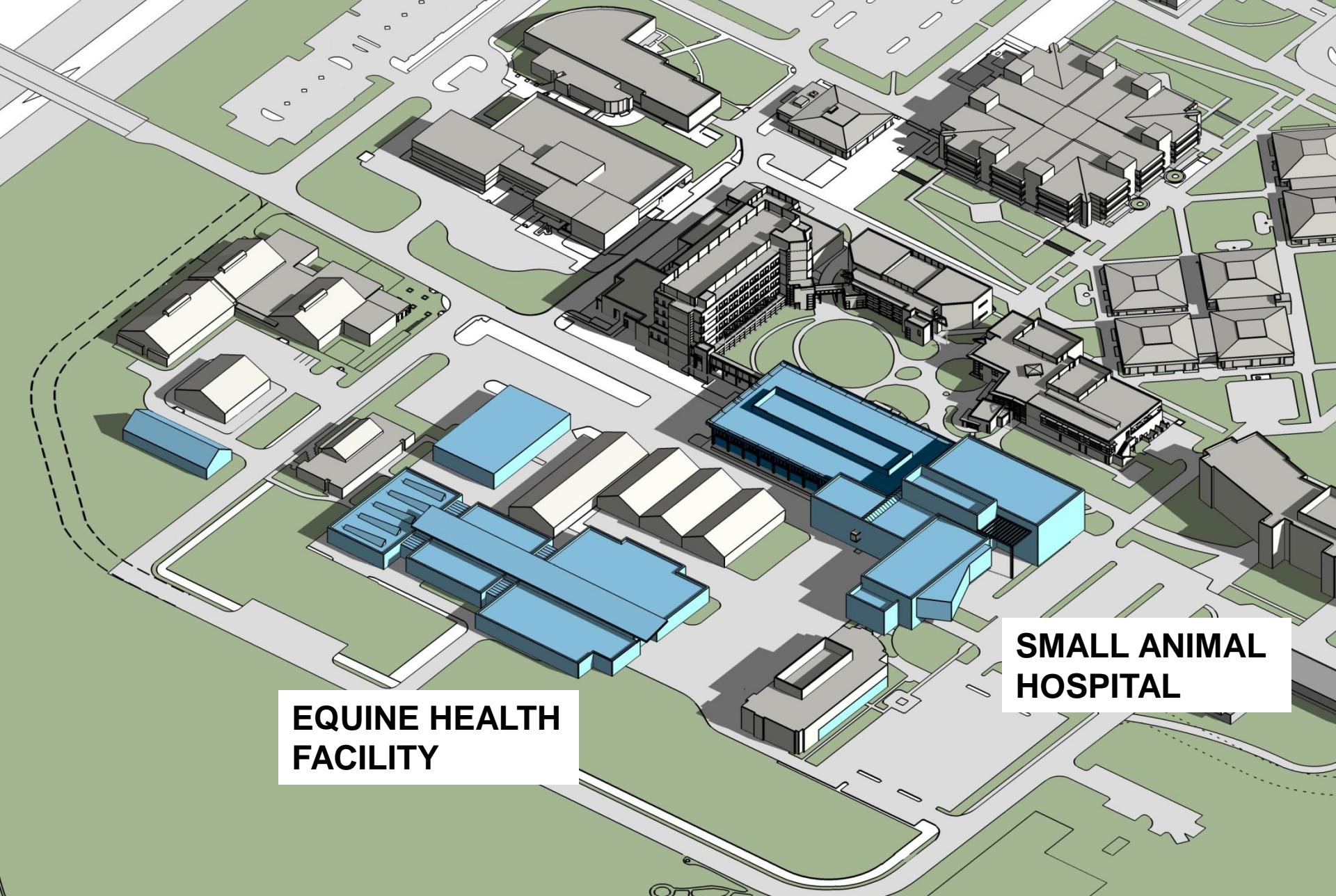
UCDAVIS

2000



UCDAVIS

2013



UCDAVIS

VETERINARY MEDICAL CENTER



Capitalize on the large and diverse clinical caseload to support excellence in translational and clinical research



- Christine Kapelewski PhD,
- Analyst Veterinary Center for Clinical Trials (VCCT)
- New renovated office, new website :
<http://www.vetmed.ucdavis.edu/clinicaltrials/index.cfm>



- Accelerate identification & development of diagnostics and therapeutics to benefit veterinary and human patients
- Strengthen established ties and form new ones between health units at UC Davis and across the UC system
- Become a central player in translational medicine
- Increase the visibility and importance of Veterinary Medicine within the biomedical science

Development and Alumni Relations – A Record Breaking Year

- >\$34 million raised in FY12-13 – all time record and leads entire campus
- Redesigned online giving pages, more options and easier navigation for donors https://secure.vetmed.ucdavis.edu/public/E_Gifts_vm/
- 32 new members to the Heritage Society for Animals, total ~500
- >400 individual face-to-face visits with donors
- Annual alumni reunion weekend: 230 alumni, >\$60K in reunion class gifts
- 54 different solicitation mailings to approximately 77,000 households
- Highly successful donor stewardship events: Spring Showcase and Scholarship Donor Recognition Dinner



Tributes & Memorials



THE CAMPAIGN FOR UCDAVIS

THE CAMPAIGN FOR UC DAVIS
SEEKS TO RAISE
\$1 BILLION
AND TO INSPIRE GIFTS FROM
100,000 DONORS

FAST FACTS

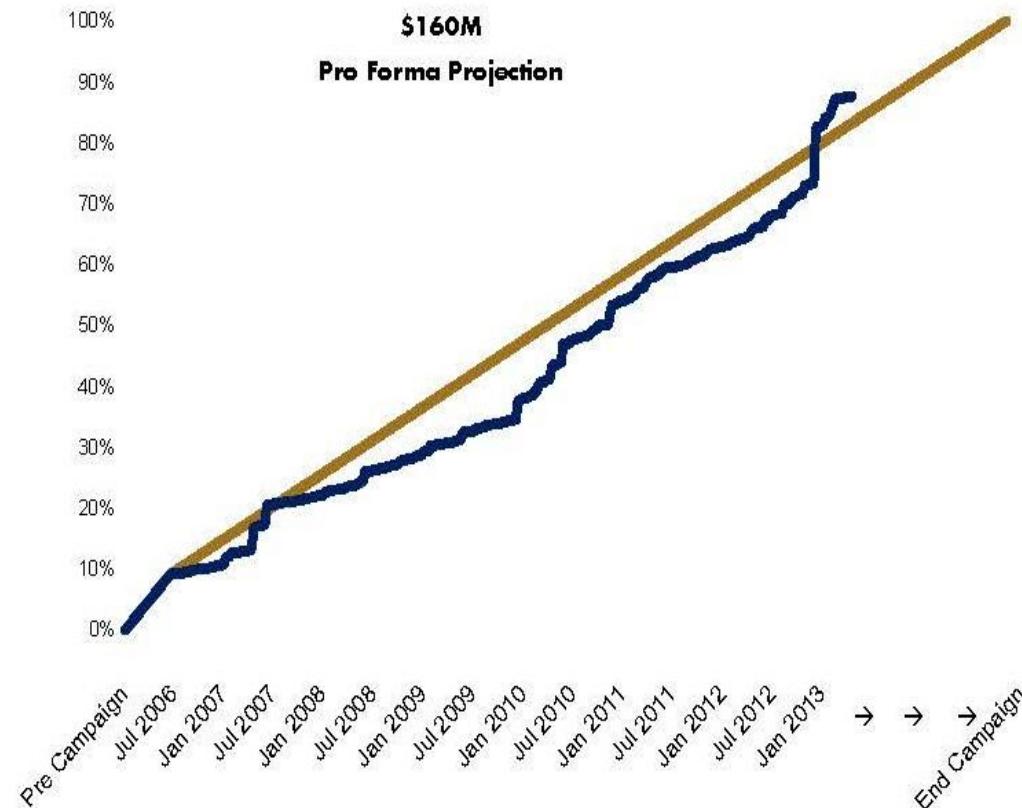
SCHOOL OF VETERINARY MEDICINE

as of June 4, 2013

\$140,991,026

from 13,130 donors

CURRENT CAMPAIGN PROGRESS (IN MILLIONS)





GOAL 4: Advance the well-being of animals and people in California and around the globe



Identify pressing societal problems - meaningful solutions

Veterinary Teaching, Research and Clinical Service Locations

■ California Animal Health and Food Safety Laboratory System (CAHFS) Sites



✚ Oiled Wildlife Care Network
Vet Med Extension



✚ San Diego



✚ Davis



✚ Tulare

✚



California Animal Health and Food Safety Labs

Protect Animal Health, Public Health & Food Supply

- As of September 17, 2012, 16 horses confirmed positive for West Nile virus in California. Twice as many in 2011.
- Nationally pet food recall related to the *Salmonella infantis*, CAHFS laboratory testing on at risk pets
- CAHFS collaborating with the California Department of Fish and Game on causes of mortality in endangered populations of bighorn sheep
- Avian encephalomyelitis (AE) diagnosed in death of ~ 20 of 300 12-day-old chicks that developed neurologic signs
- March, 2013 Equine Analytical Lab detected Zilpaterol from race horses, determined from feed formulation mistake → timely corrective action taken

Dr. Terry Lehenbauer appointed as Director of the Center for Food Animal Health (CFAH)



- Animal Well-Being, risk factors for down cows
- Antibiotic, Hormones, and Pesticide Resistance
- Disease Control & Surveillance
- Education of students and practitioners
- Emerging Diseases
- Environmental & Ecosystem Health Issues
- Extend science needed for guiding policy
- Food & Feed Systems Security
- Modeling, Rapid/Accurate Diagnostics & Vaccinations, and Delivery systems
- Sustainable Production Systems

Center for Ruminant Health – via Western Consortium of Veterinary Colleges, July, 2013 AVMA Convention. Drs. Joan Rowe and Lehenbauer representatives joining colleagues from Washington State University, Colorado State University, Western University, and Oregon State University to develop mission and projects.

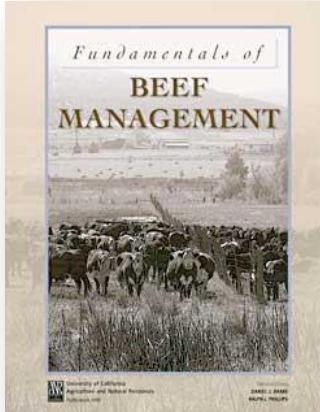
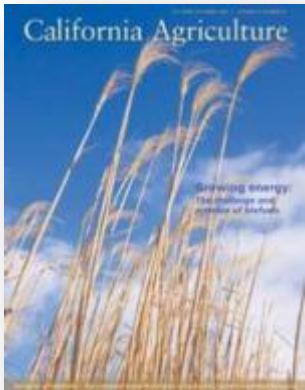
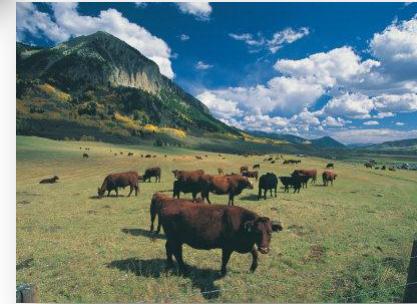
Veterinary Medicine Extension



UNIVERSITY of CALIFORNIA
Agriculture &
Natural Resources



Applied Research Extension and Outreach Public Service





Rob Atwill, DVM, MPVM, PhD
Director, Professor of Epidemiology & Medical Ecology
Food and waterborne zoonotic diseases



John Maas, DVM, MS, ACVN, ACVIM
Specialist in Beef Cattle Health & Food Safety



Martin Smith, MS, EdD
(50% VMEX / 50% Dept. Human & Community Development)
Specialist in Youth Curriculum Development & Science
Education Outreach



Carolyn Stull, MS, PhD
Specialist in Animal Welfare



Noelia Silva-del-Rio, LV, PhD (VMTRC)
Specialist in Dairy Herd Health, Production Medicine
& Food Safety

New Veterinary Extension Specialists



Pramod Pandey, PhD, MS (tentative start 6/1/2013)
Specialist in Cooperative Extension (50%) / AES (50%) for
Microbial Pathogens in Animal Waste



Maurice Pitesky, DVM, MPVM, MS (tentative start 5/1/2013)
Specialist in **Poultry Health & Food Safety Epidemiology**



TBD, search scheduled to begin this summer
Specialist in Cooperative Extension (50%) / AES (50%)
for **Urban Agriculture Food Safety**

Contributions to Society and the State of California

- Since 2010, Dr. Holly Ernest— Hummingbird Health and Genetic Diversity Project determining levels of health and disease, migration ecology, and genetic diversity
- Dr. Tracey Goldstein and team detected H1N1 influenza virus in free-ranging elephant seals off central California coast a year after the human pandemic
- Dr. Sharif Aly, Veterinary Medicine Teaching and Research Center and other scientists begin \$600,000 project to prevent, diagnosis and treat of bovine respiratory disease in dairy calves
- Aquatic Health Program lead by Director Dr. Swee Teh and team monitor impacts of chemical and physical stressors on aquatic organisms --- protecting ecosystems - Sacramento-San Joaquin River Delta, Los Angeles River, Colusa Basin, Big Chico Creek
- Killer-whale necropsy system co-developed by Dr. Joe Gaydos, director of the SeaDoc Society -- a program of the UC Davis Wildlife Health Center
- 2nd annual American Veterinary Dental College (AVDC) Service Dog Oral Healthcare Exam program - June 2013
- New hemodialysis and blood purification service at the VMTH

Diversity Initiatives and Plans



- Office of Student Programs **Summer Enrichment Program** for undergraduates → strengthen academic skills, acquire veterinary experience and become more competitive applicants
- VMDO sponsored veterinary student participation annually in **UC Diversity Pipeline Initiative** leadership conference
- Dr. Martin Smith - **4-H Youth Development Program** address low levels of scientific literacy among K-12 youth opportunities to learn science in out-of-school settings
- Participation in **UCD Early Academic Outreach Program**, which assists middle and high school students with academic preparation, admission, etc.– SVM events and tours
- Dr. Rance LeFebvre and team led 40 high school students from the **California State Summer School for Mathematics and Science (COSMOS)** in the 2012 program's "Biomedical Cluster 7". *7 of COSMOS students enrolled in our veterinary school. Four of them will be helping with COSMOS this summer - 43 students enrolled for 2013.

GOAL 5: Ensure effective school-wide management infrastructure and sustainable financial resources for the future

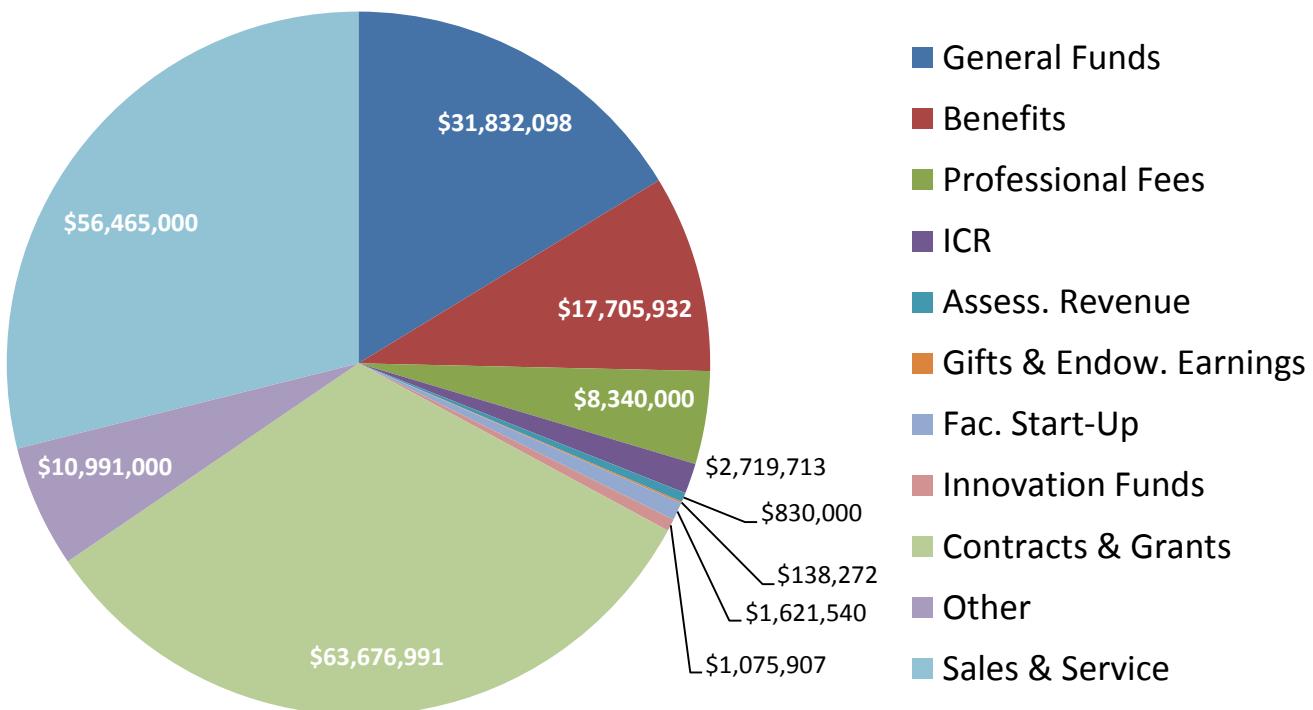




Status of Campus Finances

- **Governor's budget proposal** commitment to higher education; increases UC's budget in return for no tuition and fee increases for four years
- **UC Davis increase of \$53.3 million in 2013-14**; to fund merit increases, address instructional needs, and reduce the campus operating deficit to \$8.3 million
- **Mixed news for the SVM**: faculty and staff merits will be funded, but benefit increases will cost the school an estimated \$1,033,000
- **Proposition 30** prevented a further budget reduction to the UC system, in 2012-13 UC Davis still had a \$40 million operating deficit
- In February, the **campus allocated a \$10 million budget reduction** effective 2012-13 to reduce the operating deficit to \$30 million; the SVM received a \$780,000 reduction
- **Good news - effective July 1, 2013, faculty and other non-represented academic appointees - 2 % general salary increase, and non-represented career staff employees average increase of 3 %** (individual increases may vary)

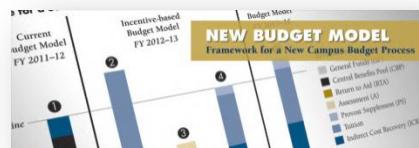
SVM Financial Status: Projected Annual Revenues 2013-14



Total Projected Annual Revenues for 2013-14 = \$195,396,453

Total Reserves beginning 2013-14 = \$2,267,642

SVM remains financially stable



Next Steps: SVM Financial Challenges

- **Student Debt Load** - average debt load was \$112 K (2011) and \$107K (2012), less than average across 28 accredited US vet schools (exit survey)
- **Faculty Resources** - salary inversion problem: senior faculty compensated < newly recruited faculty and Health Sciences compensation policies beyond SVM resources
- SVM in relation to **Vision 2020** – focused on undergraduate population growth versus professional schools
- **Fixed cost increases** without state funding - benefit cost increases to SVM expected to be \$1,033,000
- Indirect cost return and unrestricted gifts included as fund sources governed by the **carry forward policy** in new budget model

Next Steps: SVM Financial Priorities

- ✓ Faculty Recruitment and Compensation
 - 6 ongoing recruitments, and 7 newly authorized recruitments
 - One new position: Neuroimmunology position in APC
- ✓ Student Support and Career Development
 - Career & Financial counseling
 - Fundraising focus on student scholarships
 - Recruitment and Diversity
- ✓ Capital Campaign to Support Infrastructure
 - Veterinary Medical Center
 - Large Instrumentation for Shared Resources
- ✓ Cultivating Alternative Sources of Revenue
 - Enhanced fundraising efforts
 - New clinical trials center
 - Partnership with clinical pathology and biological media services to increase internal/external clients
 - Support programmatic grant seeking by faculty – Staff to support grant writing
 - Exploring hybrid (online/lecture) undergraduate courses
 - Innovation and technology transfer



GOAL 5: Ensure effective school-wide management infrastructure and sustainable financial resources for the future



Administration, IT, Fiscal and Facilities/Safety Groups

- Exploring combining IT groups and investment in new VMTH Information system
- Designed and implementing the Vet Med 3B IT infrastructure
- Completed revamp of touchscreen kiosk systems
- Created Alumni Information System, new EGReT and new Faculty MIV website
- Adopted new campus time keeping system, TRS; Reconciled new campus ICR allocation model % UCOP funding streams tax; financial reviews VGL, CEH, CRC, CLAS
- Developed 'energy savings bank' -credit on VM 3B annual OMP
- VMTH to establish a capital budget and depreciation schedule
- Developed new cash flow reporting system & new VMDO annual budget process
- Managed moves faculty, students and staff to new research building, Vet Med 3B
- Managed over \$800K in facilities renovation projects, online safety training program and planning new Student Services and Administration Center (VMSSAC).
- Conducted analysis of carry forward funds and CLAS transition to campus
- Implemented SVM Research Space Policy and planning for Diagnostic Media and Laboratory Services (DMLS)

GOAL 5: Ensure effective school-wide management infrastructure and sustainable financial resources for the future

Communications



Linda Ybarra
Director, Strategic Planning
and Communications



Trina Wood
Communications
Officer



Rob Warren
Communications
Officer



Katie Blakewell
Publications



Lynn Narlesky
Communications
Officer

Media Outreach – Since June 2012

370+ media articles/news clips
720+ inquiries – internal/external

Web/Social Media Presence

Launched new SVM Home Page
Expanded Strategic Plan web site
Launched new SVM Donor Website
Launched new Clinical Trials Web site
Launched Faculty Profile Web Pages
Launched Impacts and Accomplishments web page
Revamped Year in Review/Distinctions web pages

SVM social media

Facebook – 9,081(6/11) increasing at 450 per month
Twitter – 5,533 (6/11) increasing about 200 per month

School-wide Internal Efforts

News Network group
SVM Activities and Impacts
Communications Audit

Specific Communication Pieces

Develop Impact Sheets
Vet Med News and Year in Review
Video – Year in Review
VMTH View & VMTH Heartbeat
VGL Mini – Communication/Marketing Campaign

Follow us on
twitter



Find us on:
facebook



GOAL 6: Recruit, retain and cultivate excellent and productive faculty and staff





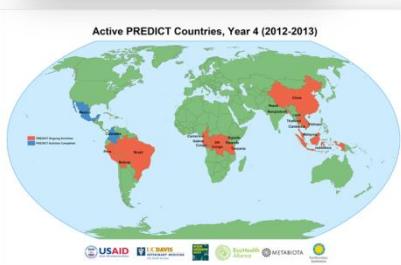
Dr. Jonna Mazet Briefs the White House

- February briefing Office of Science and Technology and the National Security Council on PREDICT
- **Update on progress** through year three of the five year effort to members of the, including the following:
 - Discovering **new pathogens** of pandemic potential and prioritizing action
 - Refining **modeling** to better target surveillance and response
 - Implementing strategic and adaptive **surveillance**
 - Improving novel **viral discovery** through laboratory and outbreak response capacity development
 - Employing cutting-edge information management and communication tools to advance **integrated, global approach** to emerging zoonotic diseases



USAID
FROM THE AMERICAN PEOPLE

Active PREDICT Countries, Year 4 (2012-2013)





Staff Excellence – National Recognition

- Western Veterinary Conference Education Committee selected **Harold Davis, RVT, VTS, as the 2013 WVC Veterinary Technician Continuing Educator of the Year**
- Harold, who has worked at UCD VMTH since 1982; currently the VMTH Staff Manager of the Emergency & Critical Care Service
- Co-Founder of the Academy of Veterinary Emergency & Critical Care Technicians and a Charter Member of the Academy of Veterinary Technician Anesthetists

Lead organizer of the highly successful Back to School Veterinary Technician and Assistant Continuing Education Seminar

- Several other awards throughout his illustrious career, and is the co-author of *Monitoring of the Critical Care Patient*, a critical care nursing book published in 2012

Dr. Danika Bannasch - Maxine Adler Endowed Chair in Genetics



- Appointed effective March 1, 2013, for a 5 year term
- Maxine Adler established two endowed chairs, one in genetics and one in oncology, because of the compassionate care she received for her cats at the VMTH
- Dr. Bannasch **accomplished veterinary geneticist** with an international reputation in genetic diseases of dogs and horses
- Novel discoveries on the **genetic basis of diseases**, e.g., genetic basis for hyperuricosuria, brachycephaly and glioma susceptibility in dogs, and in horses, Lethal White Foal Syndrome
- Recent **NIH funding** using naturally occurring dog models for molecular characterization of novel loci for cleft lip and palate in people

Recruit and cultivate excellent faculty and staff



Kevin Woolard (PMI)
Assistant Professor for
Anatomic Pathology



Boaz Arzi (VSR) – Dentistry and
Surgery, Asst. Project Scientist



Ricardo Stockler Veterinary
Medicine Teaching and
Research Center (VMTRC) as a
Dairy Production Medicine
Clinician



Kathryn Koehler (VSR) Assistant
Clinical Professor,
Ophthalmology



Kevin Keel (PMI) as Associate
Professor for Anatomic
Pathology



Sun Young Kim (VSR) Assistant
Professor of Clinical Small
Animal Orthopedic Surgery

Recruit and cultivate excellent faculty and staff



Bruce Christenson – (PHR) Assistant Professor in Equine/Comparative Reproduction



Zhengyu Cao- (VMB) Assistant Project Scientist



Rodrigo Gallardo, (PHR) Disease specialist
Poultry Infectious



Joshua Stern (VME)
Assistant Professor



Tomofumi Kurobe- (APC)
Assistant Project Scientist



Jose Rafael Lopez-Padrino
(VMB)
Researcher

New Leadership - Talented, Compassionate and Effective



Jane Sykes appointed the new **Director of Small Animal Clinical Services**



Michael Kent – appointed as **Associate Director for Center for Companion Animal Health**



Paul Denney Allen, Adjunct Professor, Molecular Biosciences, new **Director of Research Mentorship** , Office of Research and Graduate Studies

New Leadership - Talented, Compassionate and Effective



Michelle Hawkins has been appointed as **Director for the California Raptor Center**



Dori Borjesson has been appointed as **Chair of the Department of Pathology, Microbiology and Immunology**



Karl Jandrey has been appointed as **Director for Veterinary Medical Continuing Education**



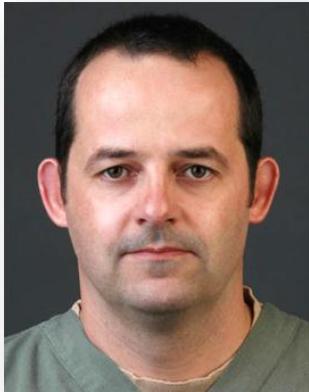
Claudia Sonder has been appointed as **Director of the Center for Equine Health (CEH)**

Foster excellence in teaching and research



Christine Kreuder Johnson, recipient of the 2012 Distinguished Faculty **Teaching Award** from the School of Veterinary Medicine at UC Davis.

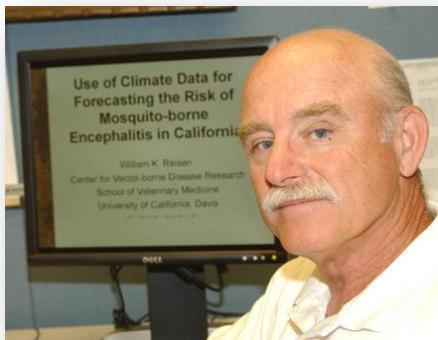
- Recognizes faculty who have made substantial, enduring and creative contributions to teaching



Peter Dickinson, received the 2012 Pfizer Animal Health Award for Veterinary **Research Excellence**.

- His collaborations with researchers at UC Davis and UC San Francisco test treatments for dogs with brain tumors through clinical trials

Provide a supportive environment to foster faculty and staff success



William K. Reisen, 2012 Harry Hoogstraal Medal after four decades of “outstanding achievements in the field of medical entomology.”

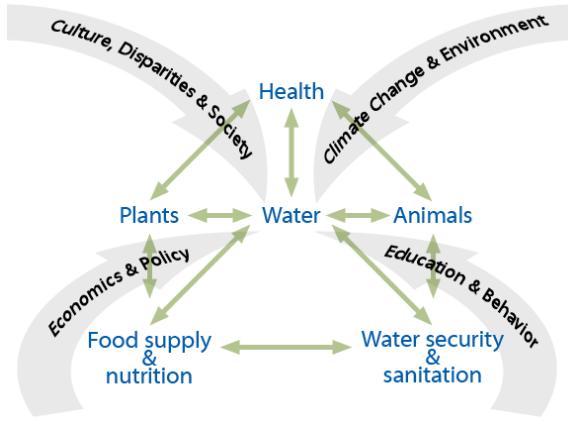


Fern Tablin received the 2012 Pfizer Distinguished Teacher Award on October 2nd in recognition of her exceptional, sustained, and significant accomplishments in teaching DVM students

GOAL 7: Build strong collaborations across UC Davis and with other academic, government, agricultural and business partners



One Health Institute – Regional and Global Partnerships



- Fosters the science, innovation, capacity building, education and leadership that these **centers and projects** provide to the UC Davis campus, the UC system, state and federal agencies, and worldwide partners

PREDICT

California Conservation

Health for Animals and Livelihood Improvement

Zoological Medicine Service

Avian Flu Research

SeaDoc Society

Diagnostic and Technology Development Laboratory

Curricular Development and Training

Oiled Wildlife Care Network

Gorilla Doctors

UC Global Health Institute Center



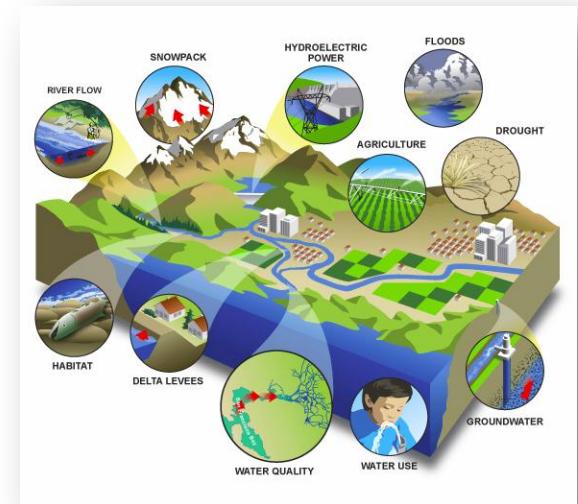
The mission to assess and respond to **global health problems** arising at the human-water-animal-food interface and cost-effective, and sustainable solutions



Patricia Conrad, DVM, PhD
UC Davis



Anil Deolalikar, PhD
UC Riverside



“...food, proximity to animals, water contamination, water scarcity, and how the these factors leads to illnesses. It's a very California problem, particularly with agriculture”

Partnerships in Translational Medicine Innovations



- **New approach to tissue preparation** makes heart valve replacements less likely to be rejected — potentially giving transplant patients longer, healthier lives —swept both first prizes in **Big Bang! Business Plan Competition** and the **People's Choice award**
- ViVita Technologies, a team comprising **Dr. Leigh Griffiths and 3 biomedical engineering doctoral students**, took home a total of \$12,000 in the 13th annual competition, run by MBA students in the **UC Davis Graduate School of Management**
- **UC Davis Child Family Institute for Innovation and Entrepreneurship** serves as the nexus for entrepreneurship education and research — and as a springboard for entrepreneurial initiatives on the UC Davis campus

Business Partnerships

Ron Foster, President and CEO Foster Farms

2012 Distinguished Service Award



- For more than 15 years, assisted the School—as advisor, fundraiser, benefactor, pet owner and corporate collaborator
- Chaired the **campaign to raise funds for a new dairy teaching facility in Tulare**
- Secure **matching contributions** for the new poultry faculty position at the School of Veterinary Medicine
- Established an **endowed veterinary student scholarship** in honor of his grandparents, Max and Verda Foster

National Animal Health Laboratory Network (NAHLN)

- State-federal partnership for FAD testing - USDA
- NAHLN benefits to states/industry
 - Rapid results –validated tests concurrently with shipping samples to USDA labs (only 2 in U.S)
 - Crisis management – provides “first to know” results
 - Recent BSE example



National Animal Health
Laboratory Network

Food Emergency Response Network (FERN)

- State/federal partnership for food testing – FDA
- Analytical Toxicology Services
 - Testing & method development in various food matrices
- Respond to food safety emergencies
 - Validated drug residue screen for milk for ~30 drugs



Government, Commodities, and University Partnerships



- Centers of Excellence (COE) Meeting hosted by the **FDA Center for Food Safety and Applied Nutrition (CFSAN)**.
- Collaborative project on survival of foodborne pathogens in tropical produce production environments.
- WIFSS hosted two FDA training courses in June and July in Salinas, California to train investigators and inspectors on how to conduct investigations at farms and packing facilities

Collaborations across UC Davis and with other academic, government, agricultural and business partners

- In October, UC Davis Medical and Veterinary School researchers will participate in a two day meeting examining microbial-host interactions. The 7th Annual UC Davis Research Retreat
- Oncology faculty acknowledged by the Director of the Center for Cancer Research at the National Cancer Institute -- Comparative Oncology Trial Consortium (COTC) - 20 veterinary schools across the U.S. and Canada
- With School of Medicine and UCD Office of Research, SVM will partner on National Academy of Sciences, NRC Roundtable on laboratory animal science
- Western Consortium of Colleges of Veterinary Medicine – Teaching Academy and developing Center for Excellence in Ruminant Health
- Consortium of scientists found that breathing ultrafine particles from a large family of materials can cause lung inflammation and damage
- Secretary Mark Ghilarducci, CalEMA visits VMTH on-going partnership between UCD SVM and state to address the critical needs of animals in disasters

