



State of School May 20, 2021

Michael D. Lairmore DVM, PhD
Dean and Distinguished Professor



Mission

Advance the Health of Animals, People, and the Environment



Vision

Leading Veterinary Medicine
Addressing Societal Needs



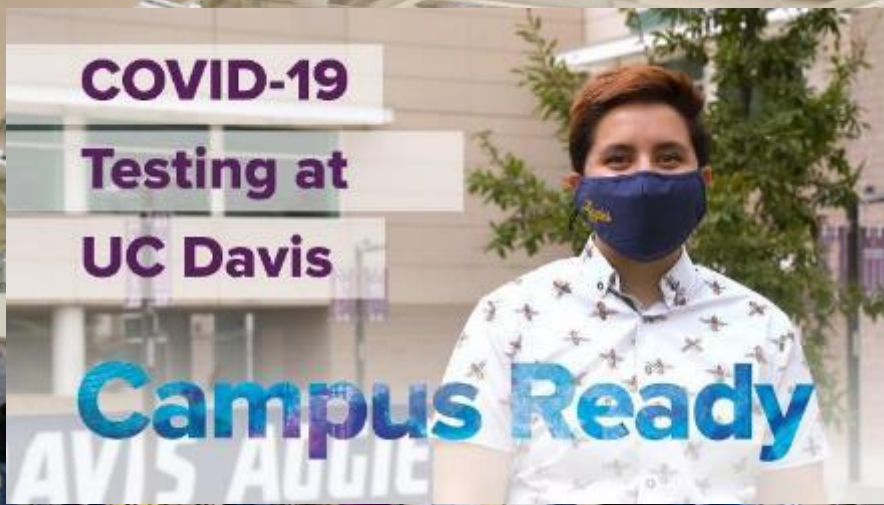
UCDAVIS

VETERINARY MEDICINE

Challenges and Solutions – A Pandemic Year

COVID-19
Testing at
UC Davis

Campus Ready



Record Fire Season --Veterinary Emergency Response Teams examined or treated more than 1,200 animals, and an additional 60 animals treated in the hospital



Los Angeles Times

California fire season shatters record with more than 4 million acres burned



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Social Justice, Diversity, Equity, and Inclusion

– Ongoing Efforts to Combat Racism and Build Community



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Curriculum – Rapid and Evolving Innovation and Adaptation

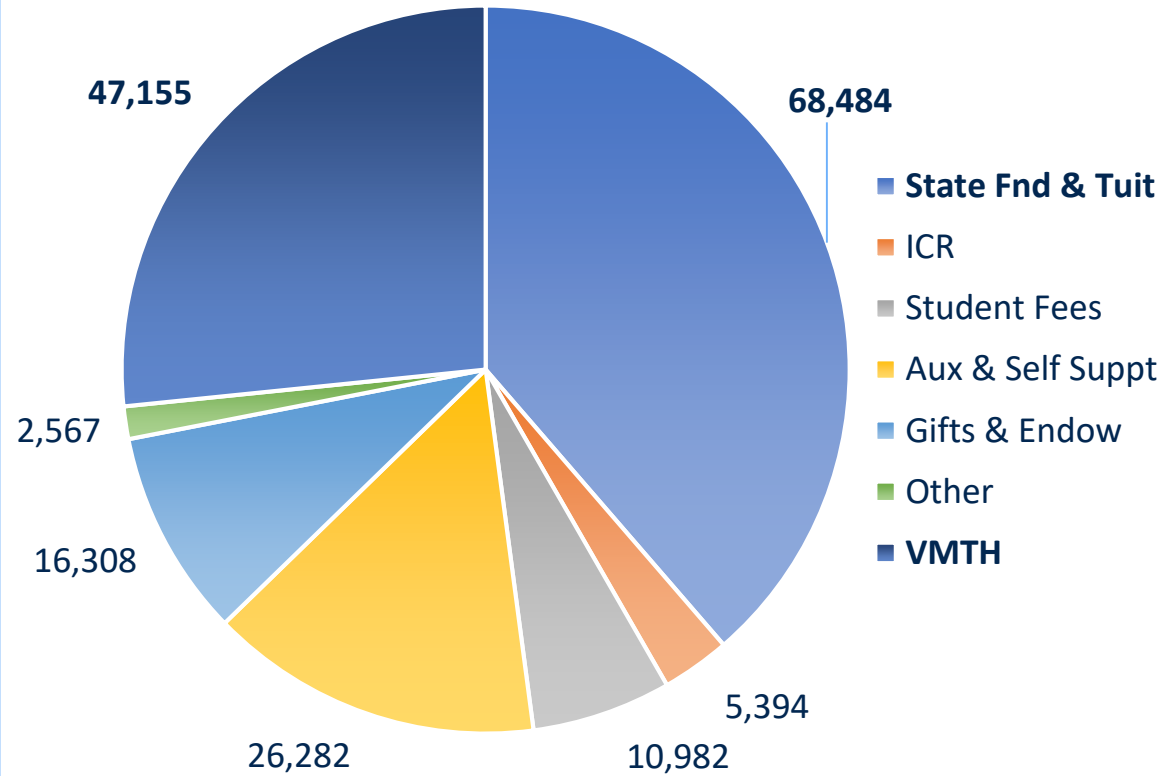


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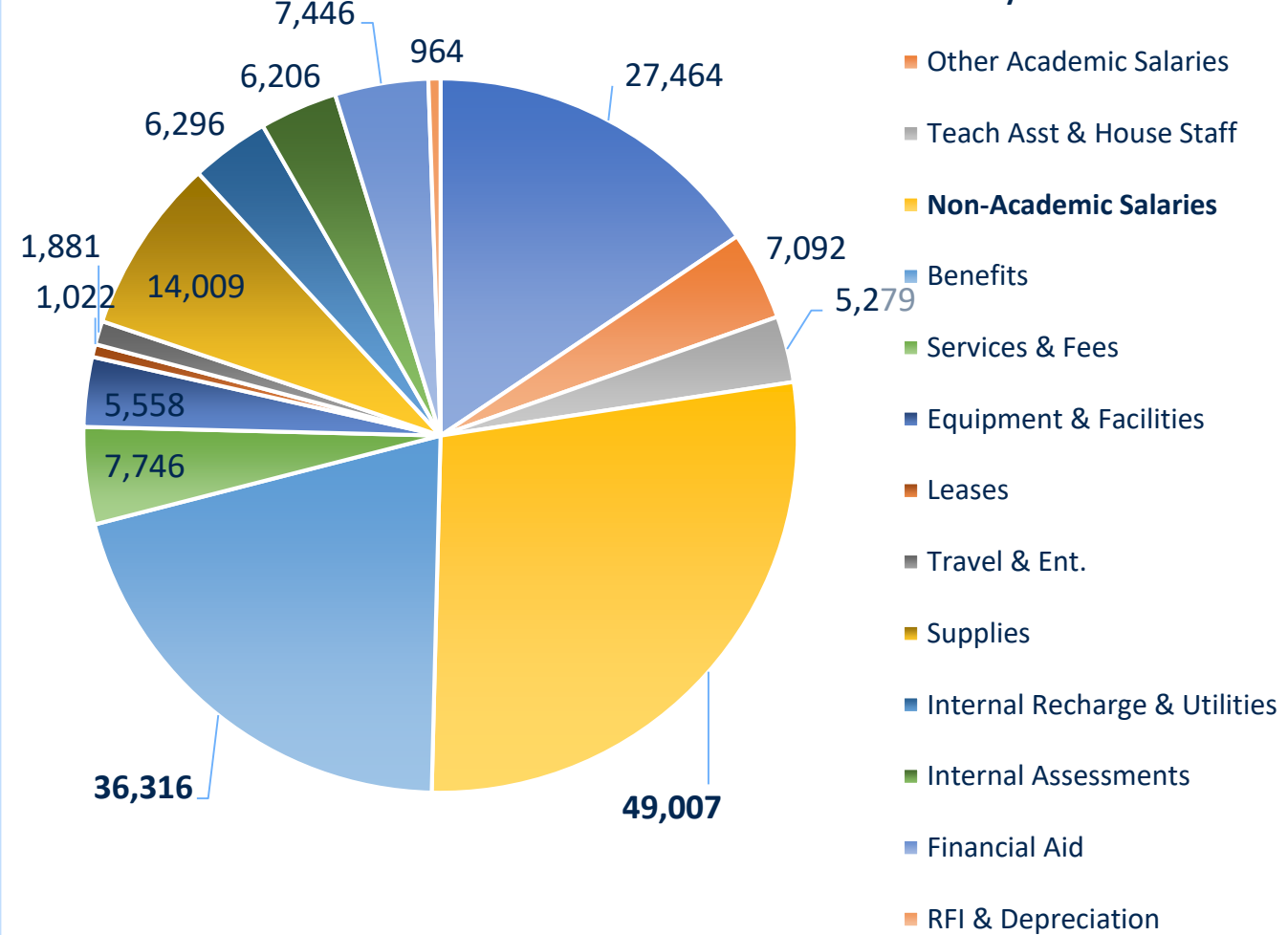
VETERINARY MEDICINE

Financial Status 2020-21

Revenues (000's)



Expenditures (000's)



Revenues: \$177.1M

Expenditures: \$176.3M

Net = .8M

Not including, Total Direct Contract Grants Expenditures: ~\$70M

- ✓ UC Davis Campus Structural Deficits
- ✓ COVID19 Losses
- ✓ Budget Advisory Task Force – Guiding Principles and Strategy



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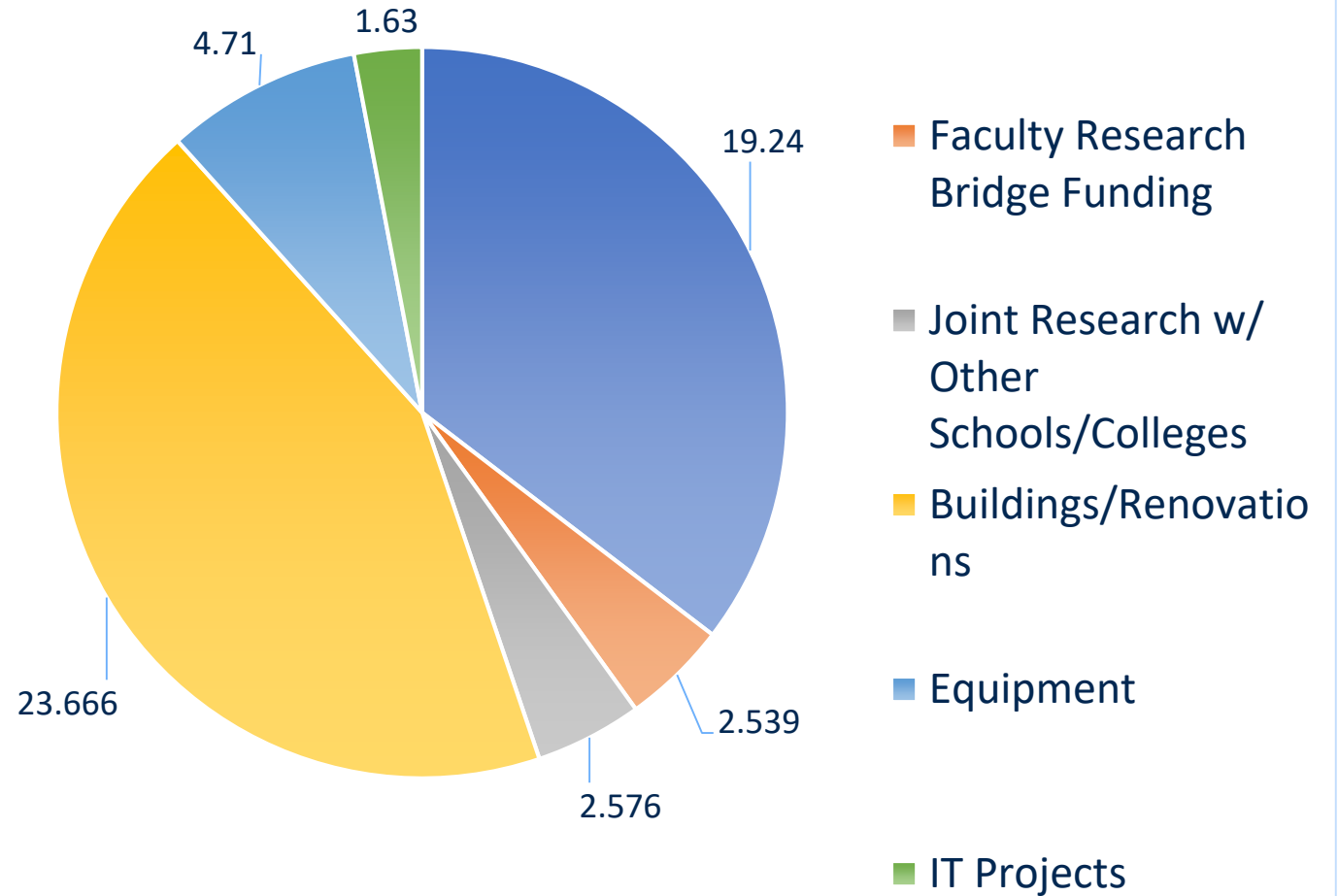
VETERINARY MEDICINE

School Investments 2013-21

Over the **past 8 years**, the School has provided **~\$20M in faculty start-up** funding; an average of \$2.4M per year for new recruits.

The School also provided:

- Over **\$23M in building/renovation** funding including \$14M for Vet Med 3B, \$3.5M for Vet Med Admin, and \$4M for the VM Satellite Surgery Center (forthcoming).
- **~\$5M in equipment funds** including \$2.8M for a Linear Accelerator and \$1M for a Confocal Microscope.



(\$, in millions), Total \$54 million in 8 years

Information Technology – New Infrastructure, Improved Security and Tools, and Expanded Support



Clinical

Agfa PACS Go-Live

Hematology / Cytology

Client Portal

Coding Project



Enterprise

Infrastructure

Windows 7 >

10

ID Card Project

Closed over

9,000 tickets



Security

IS-3

Improvements

VRA

Streamlining



Academic

Zoom >

Mediasite

Canvas

Support



Administrative

Marketing Website

Brick Search

Annual tool updates

UC Path / Ecotime



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Goal 1.0 - Educate World Leaders in Academic Veterinary Medicine, Veterinary Medical Practice, Biomedical and Agricultural Research, Industry, Government, and Public and Environmental Health



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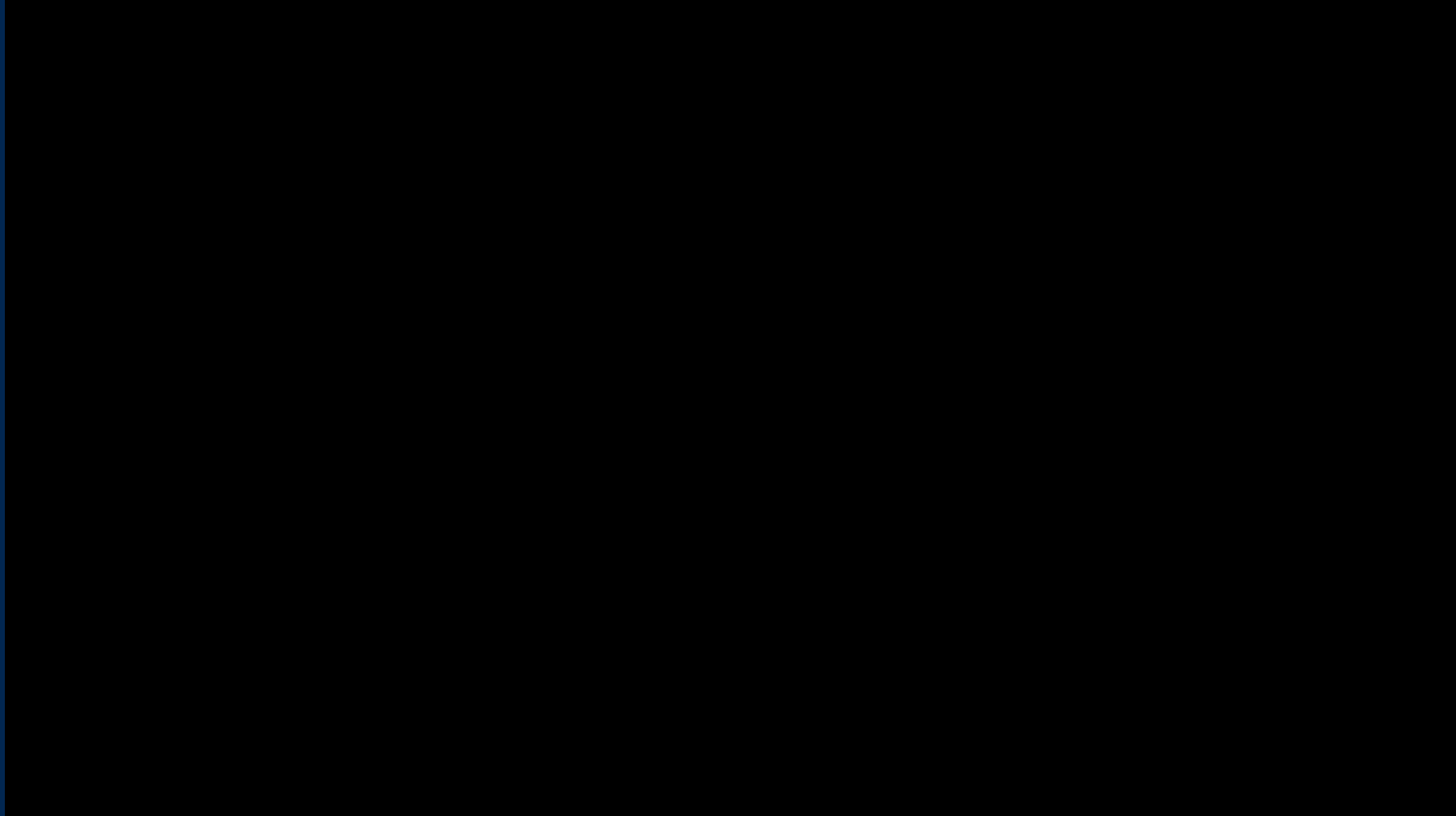
VETERINARY MEDICINE

Best Value in Veterinary Medical Education



- ✓ Most optimal debt-to-income ratio of all 30 U.S. veterinary schools at 0.8
- ✓ 2nd lowest median debt of any of the 30 schools, an improvement from third-least last year.
- ✓ One of two schools with the highest median starting salary of graduates

Global Experiences – A Virtual Reality



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Foundations in Veterinary Business Certificate Program

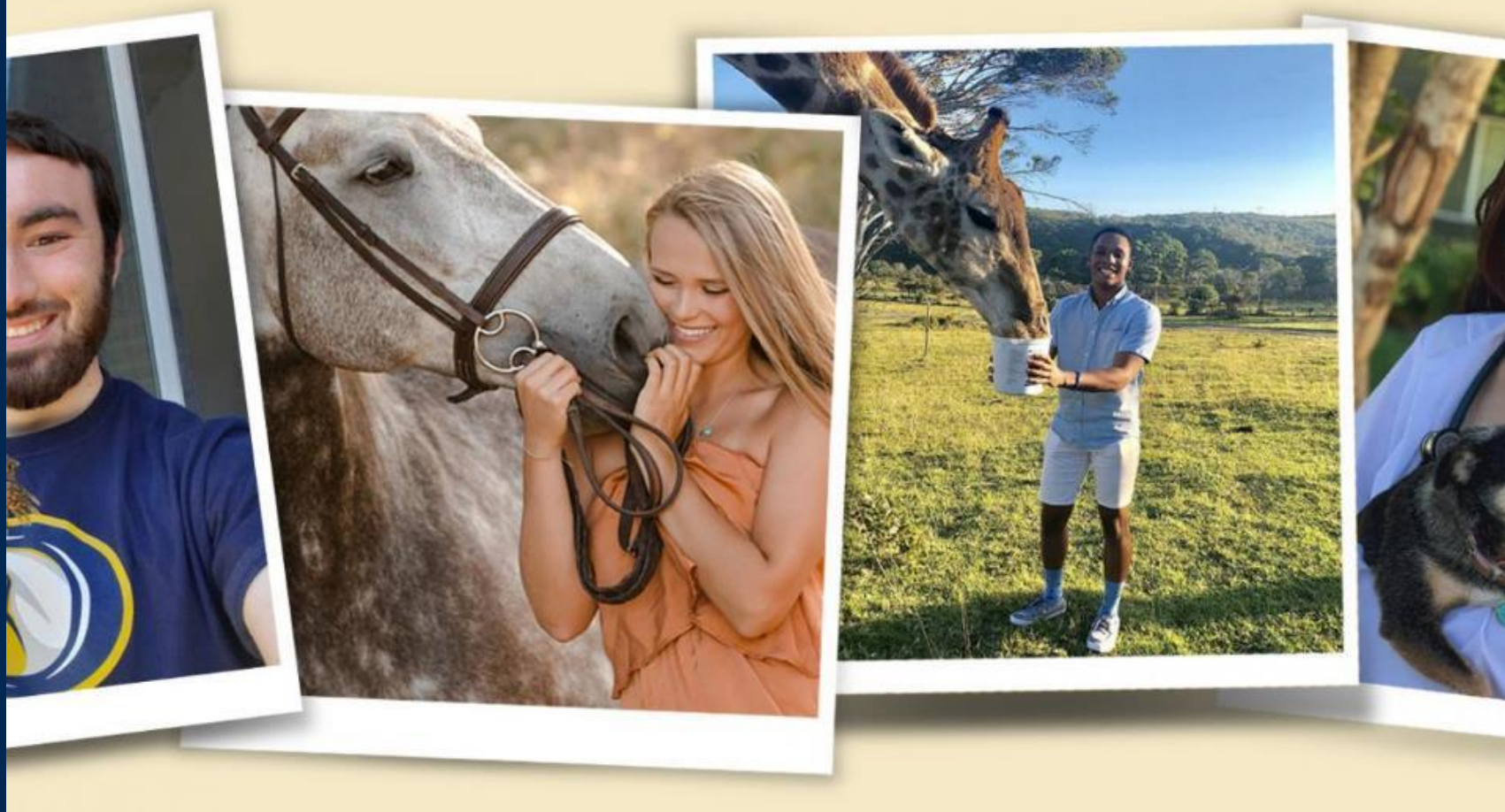


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Welcoming the Class of 2024

– A Virtual and Emotional Experience



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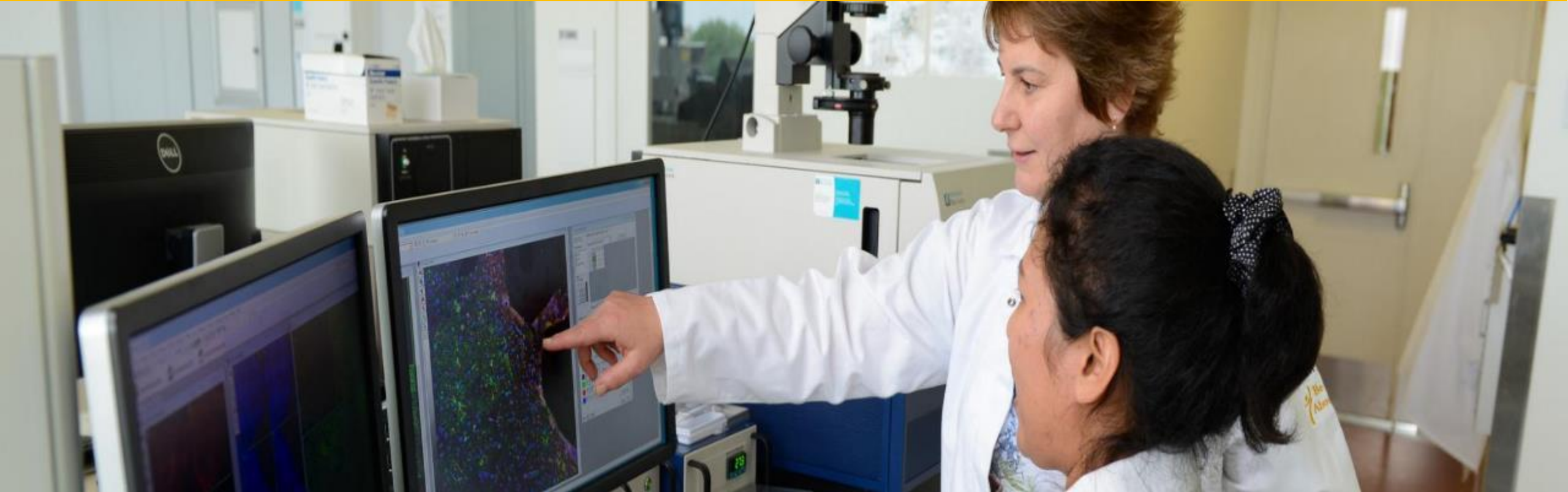
Commencement – Class of 2021



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Goal 2.0 - Lead in Innovation and High-Impact Transdisciplinary Research to Advance the Health of Animals, People, and the Environment

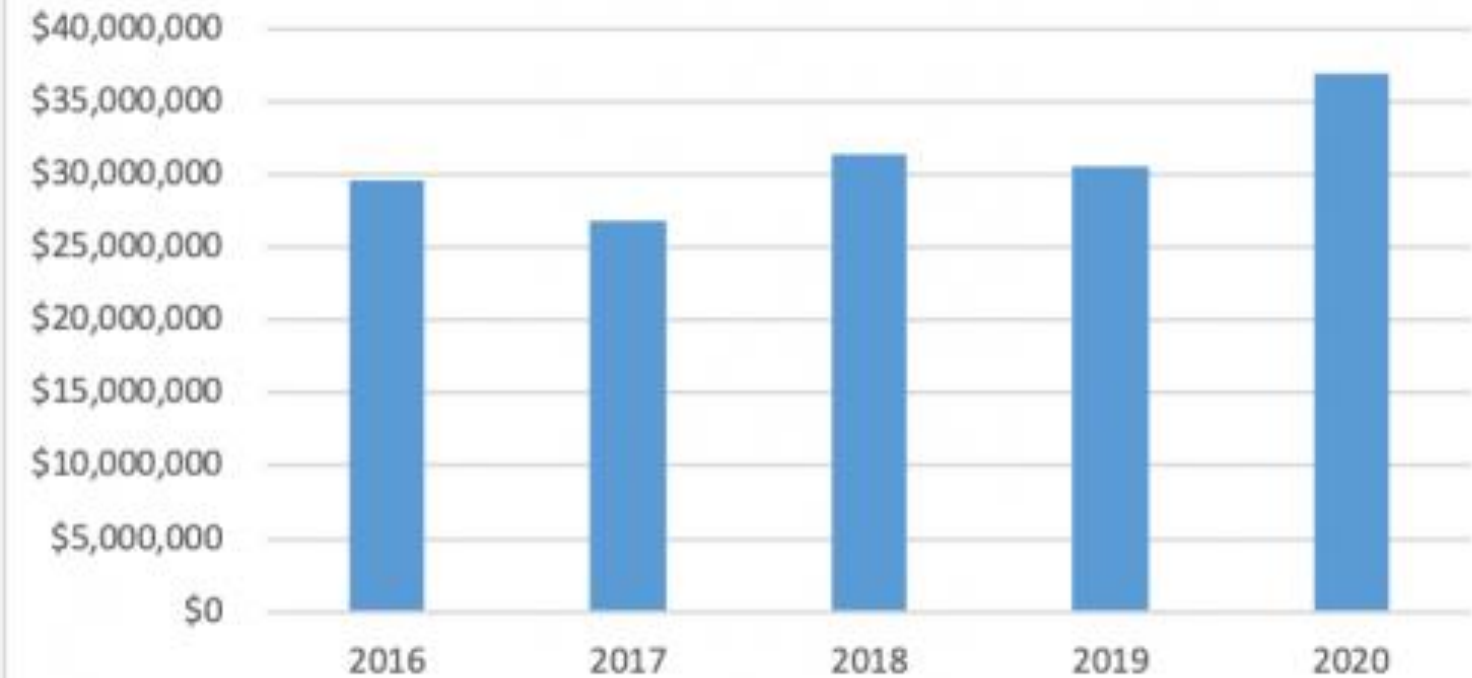


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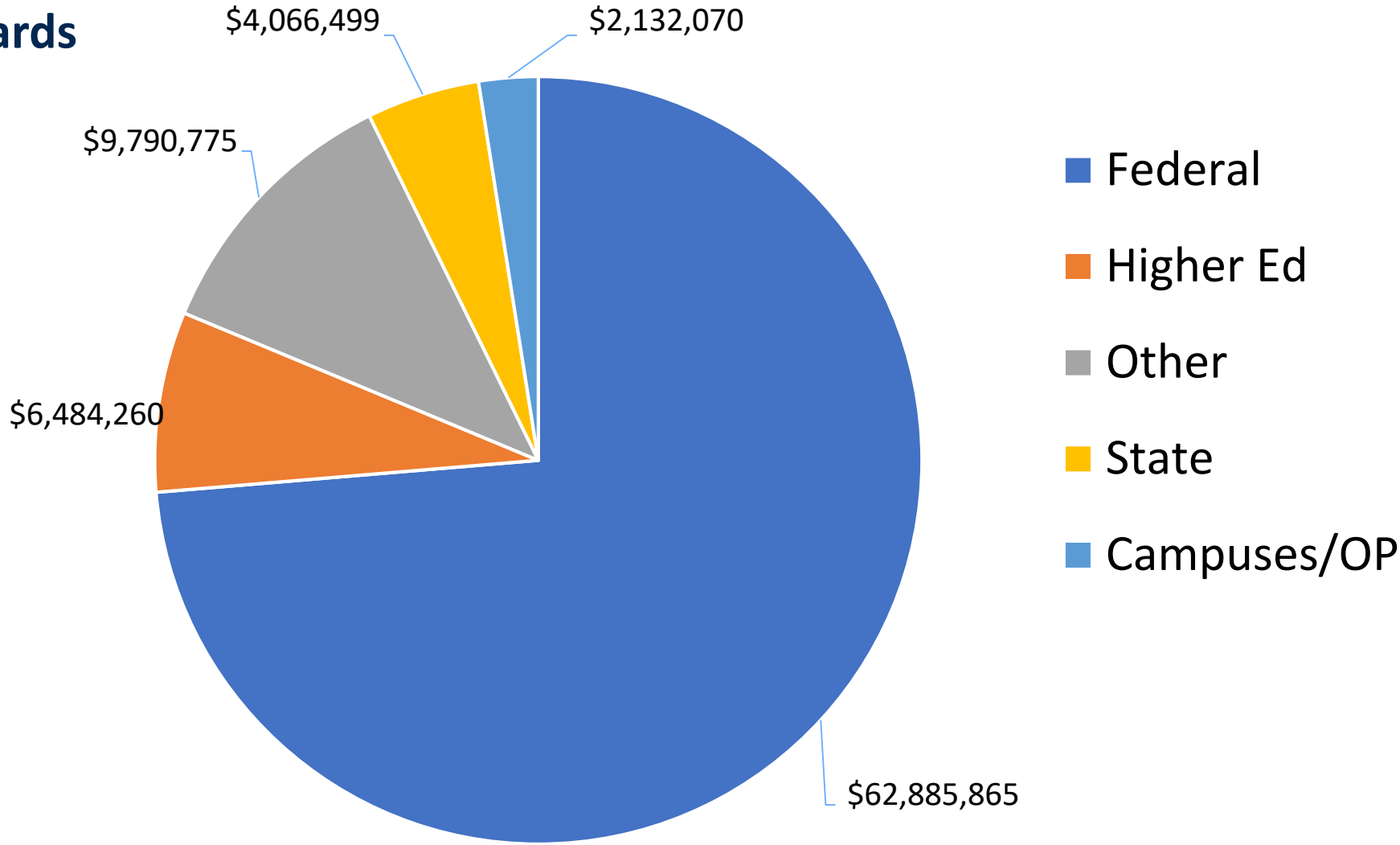
UC Davis School of Veterinary Medicine Recognized for Highest-Ever Level of NIH Funding

UC Davis School of Veterinary Medicine
NIH funding 2016 - 2020



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2019-2020 Research Awards Total = \$85,359,469



Training the Next Generation of Scientists

– Leading in Graduate Education



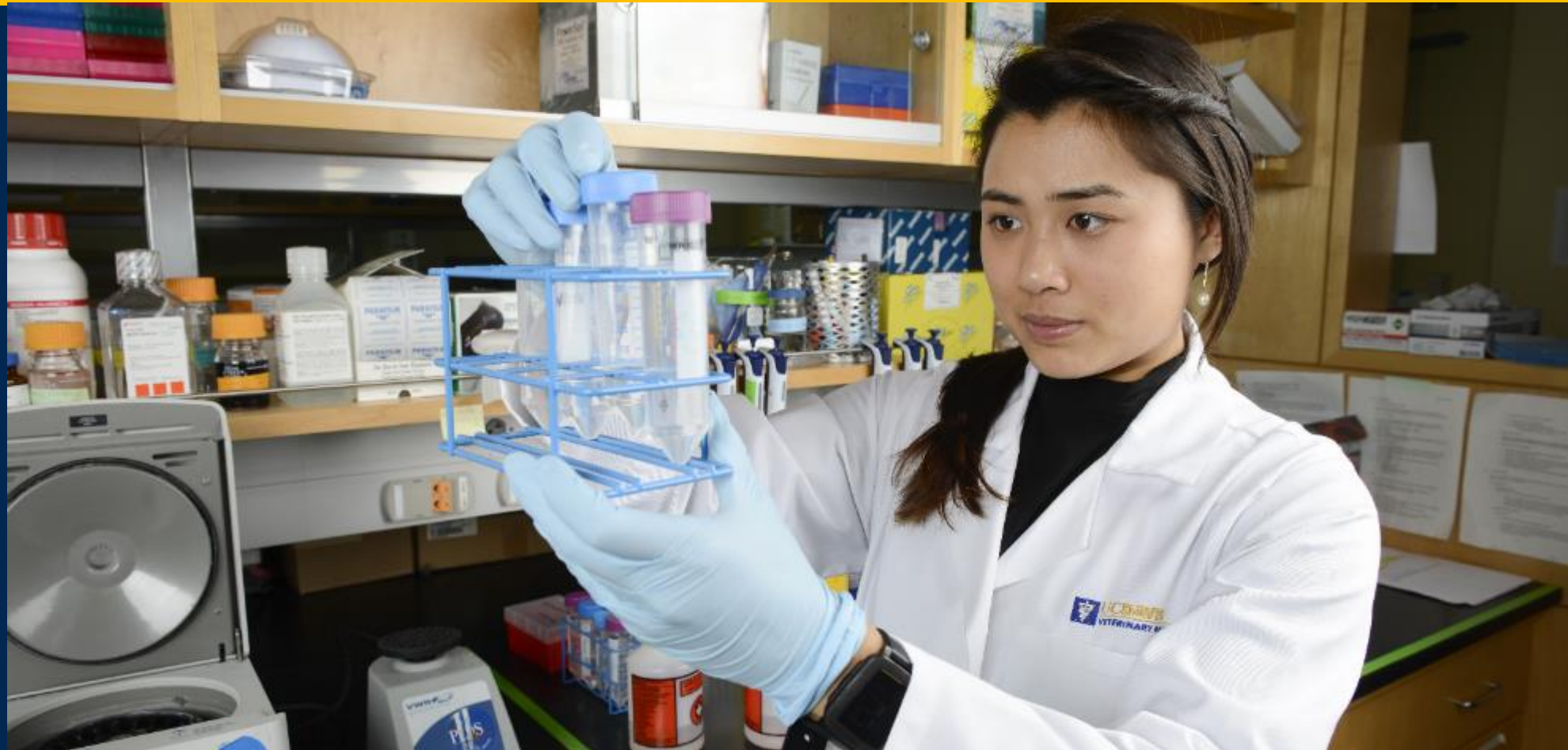
- ❖ Fellowships and Awards
- ❖ Publications and Research Presentations
- ❖ Specialty Training Certificates



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Veterinary Scientist Training Program

– new NIH Training Grant



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Center for Immunology
and Infectious Diseases

Our mission is to advance the understanding of immunology and infectious diseases through excellence in research and mentorship of scientists and educators.

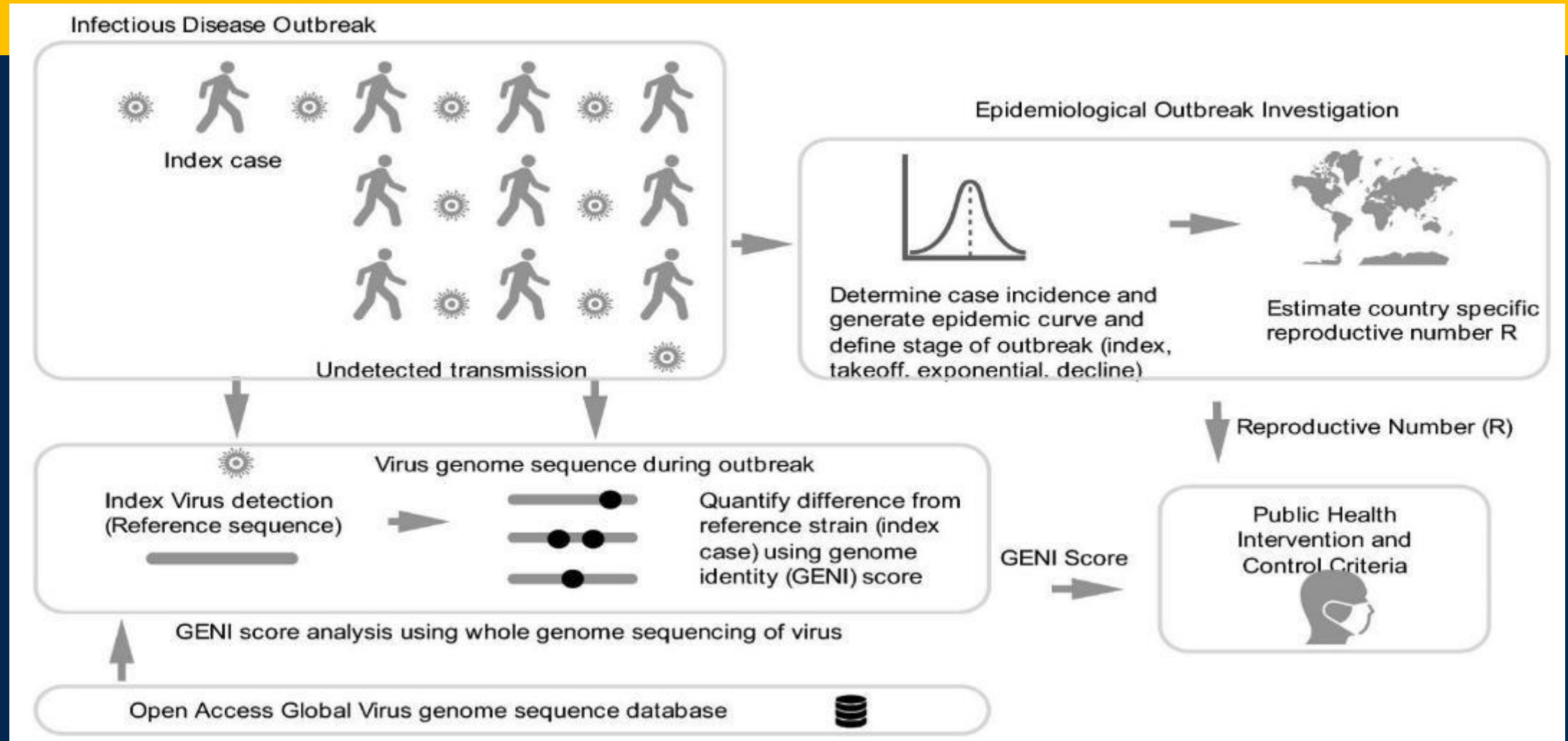


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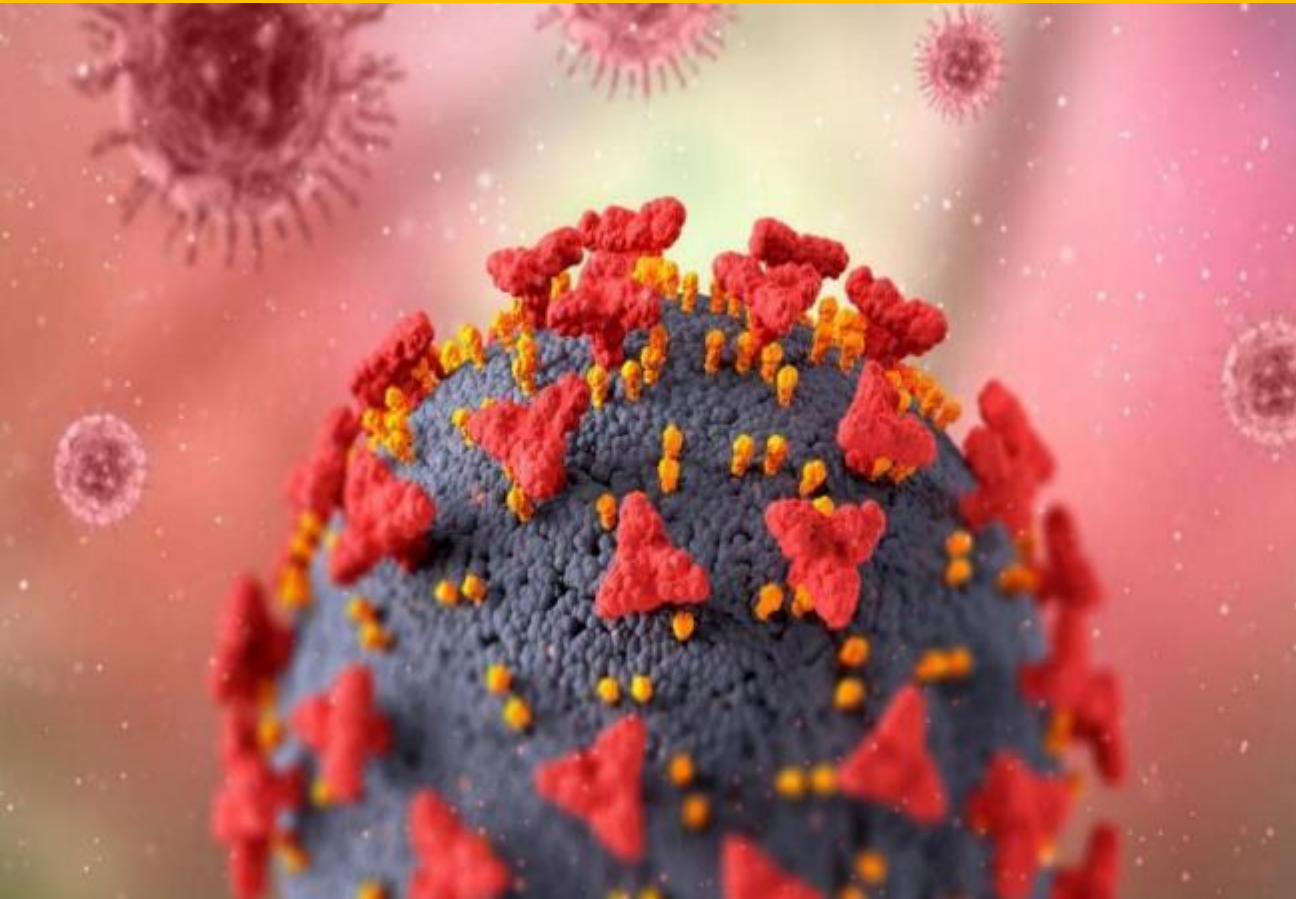
VETERINARY MEDICINE

Genome Sequencing Shows New Coronavirus Variants Drive Pandemic Surges

-published April 1 Scientific Reports



Understanding the Evolution of SARS and COVID-19 Type Viruses - published in the journal *Virus Evolution*



“..helps scientists better understand the evolution of these viruses, how they acquired the ability to infect humans and which other viruses may be poised for human spillover.”



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Defining the Immune Response to SARS-CoV-2



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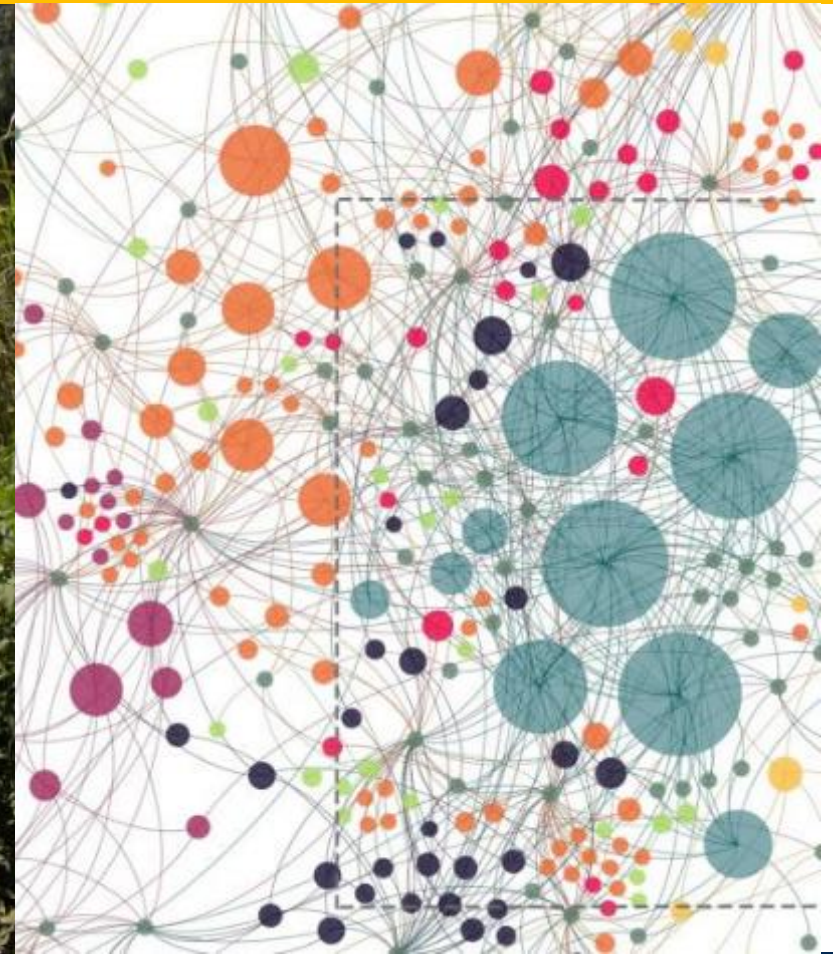
One Health Institute – One Health in Action



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New Research Center - “EpiCenter for Emerging Infectious Disease Intelligence”



Neurotoxicology Research- insights into complex problems



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Nutritional Research- Fructose and Glucose in High Fructose Corn Syrup Deliver a One-Two Punch to Health



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Advancing Environmental Health – Linking Air Pollution to Brain Development



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Study of Dogs with Impaired Glucagon Responses

- Provide Insights in Treatment of Diabetes in Both Canine and Human Patients



AMERICAN JOURNAL OF PHYSIOLOGY

**ENDOCRINOLOGY
AND METABOLISM.**

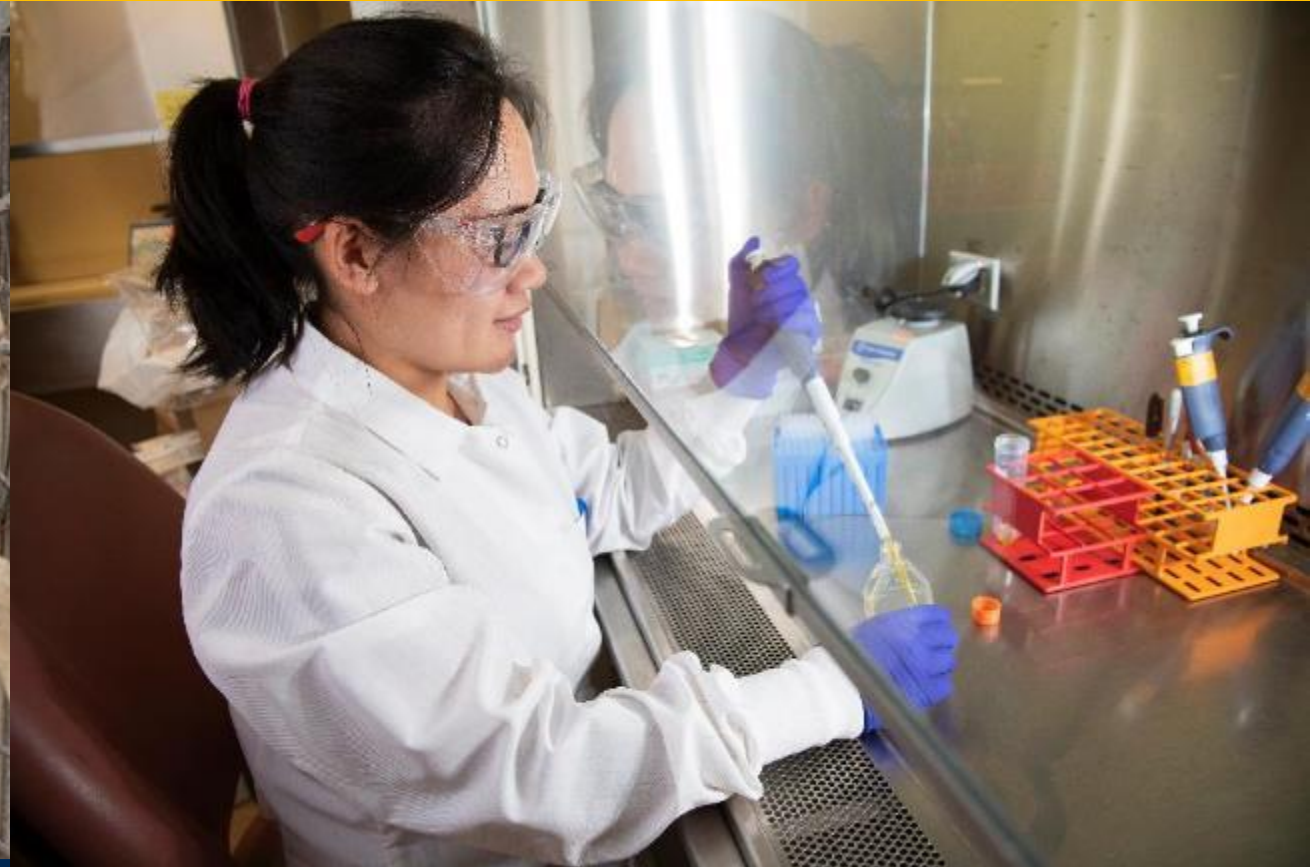


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“We have a lot to learn from dogs fighting cancer”

-Unique UC Davis partnership benefits both human and canine cancer patients (UC Davis Comprehensive Cancer Center Magazine, Synthesis)



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CENTER FOR EQUINE HEALTH
HorseReport
SCHOOL OF VETERINARY MEDICINE - UNIVERSITY OF CALIFORNIA, DAVIS
FALL 2020



The Biosecurity Issue



2020 CENTER FOR EQUINE HEALTH
RESEARCH REVIEW
New Discoveries in Equine Health



Equine PET Scanner

GoodDay



PLATINUM
PERFORMANCE



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VETERINARY MEDICINE

Center for Equine Health



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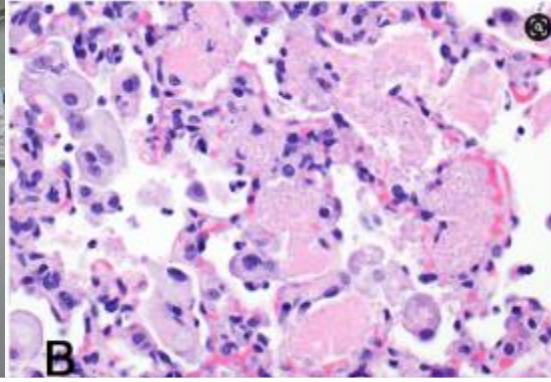
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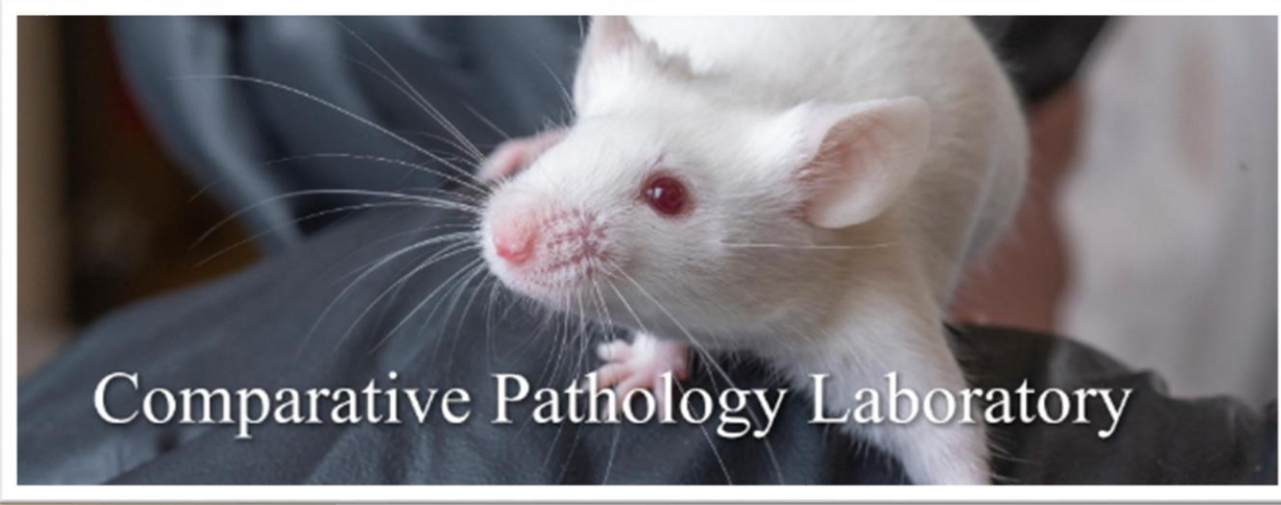
Veterinary Genetics Laboratory



Special Seminar
Davis-Thompson Foundation
VOICES IN PATHOLOGY:
ASIAN AMERICANS



Dr. Denise Imai-Leonard
UC Davis



UC Women's Initiative
for Professional Development

Protecting laboratory animal health and supporting research excellence



Center for Companion Animal Health – Supporting Discovery to Advance Animal Health



FACULTY RESEARCH SUPPORT

25 Continuing Studies  \$867,435
10 New Studies

RESIDENT RESEARCH SUPPORT

1 Continuing Study  \$10,000
1 New Study



FACULTY RESEARCH SUPPORT

72 Continuing Studies  \$1,618,583
18 New Studies

RESIDENT RESEARCH SUPPORT

12 Continuing Studies  \$78,560
5 New Studies



INDIVIDUAL DONORS

1,374 donors
4,234 total gifts



TOTAL DONATIONS

\$1,549,840

IN MEMORY

26,910 pets memorialized
through donations



OUR FUTURE

Grew endowments by 14.2%
to \$36,026,429

2019-2020 endowment
earnings \$725,502



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National Veterinary Entrepreneurship Academy



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Goal 3.0 - Provide Cutting-Edge Clinical Programs that Deliver Exceptional Veterinary Services and Support Premier Education, Advanced Specialty Training, and Collaborative Translational Research



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UC Davis Veterinary Hospital Continues Accreditation from Top Veterinary Association

-AAHA-accredited hospitals are recognized among the finest in the industry



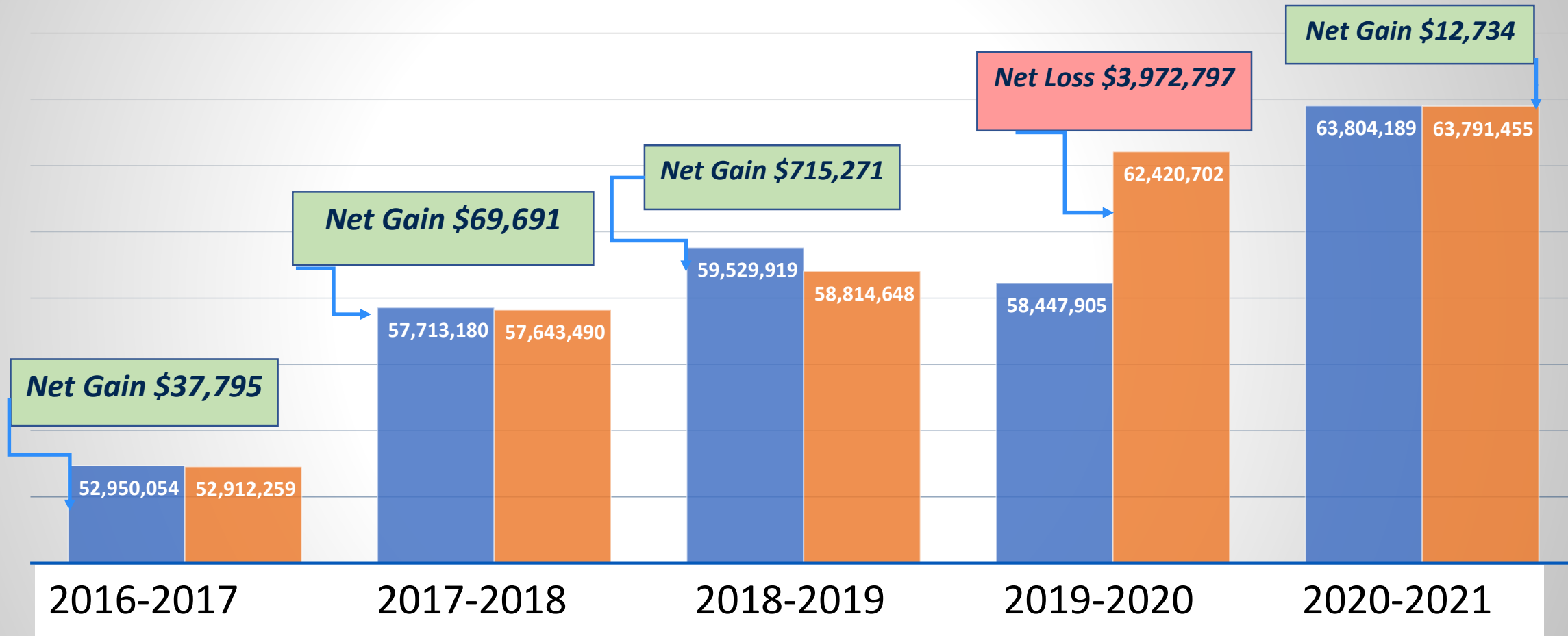
The Standard of
Veterinary Excellence



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VMTH Total Income/Expense 2017-2021



During the COVID-19 pandemic — UC Davis Emergency and Critical Care Service - record numbers of patients



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Excellence in Resident and House Officer Training

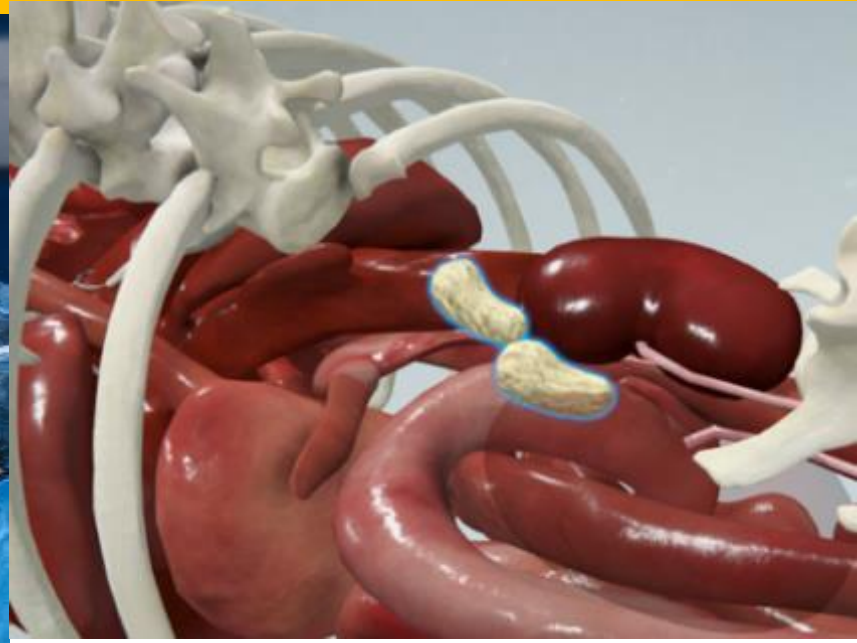
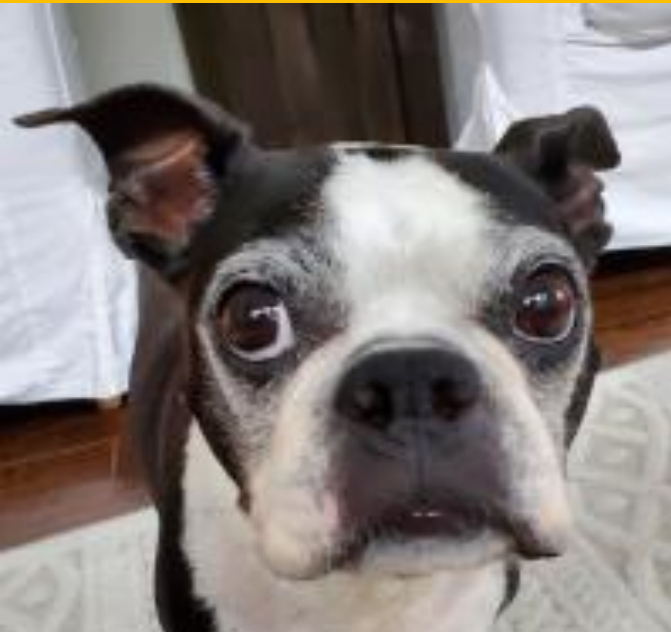


Dr. Maureen Griffin -2020
American Association of
Veterinary Clinicians (AAVC)
Resident Achievement Award



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First 3D Laparoscopic Adrenalectomy in Veterinary Medicine



“Louie’s procedure was made possible due to the generous financial support of Mary Kariotis and the UC Davis Center for Companion Animal Health Equipment Fund that allowed the hospital to purchase the 3D laparoscopic equipment.”

Veterinary Center for Clinical Trials – high -quality clinical research for the benefit of veterinary and human medicine



Antibiotics and Kidney Disease in Cats

UC Davis Veterinary Medicine



"Help us find the best antibiotic dose to treat kidney disease in cats!"

I'm Interested in this study

Share study

Animal: Cats
Age: None specified
Vet Sex: Any
Healthy Pets: No
Keywords: kidney disease, kidney, enrofloxacin, Baytril, cat, feline
Type: Drug
Target: 20 Participants

Investigators:
Dr. Carrie Palm,
Associate Professor
University of California,
Davis
View profile

Understanding the genes behind temporohyoid osteoarthropathy in horses

UC Davis Veterinary Medicine



"Help us find out what genes cause temporohyoid osteoarthropathy in horses!"

I'm Interested in this study

Share study

Investigators:
Dr. Monica Aleman,
Professor
University of California,
Davis
View profile

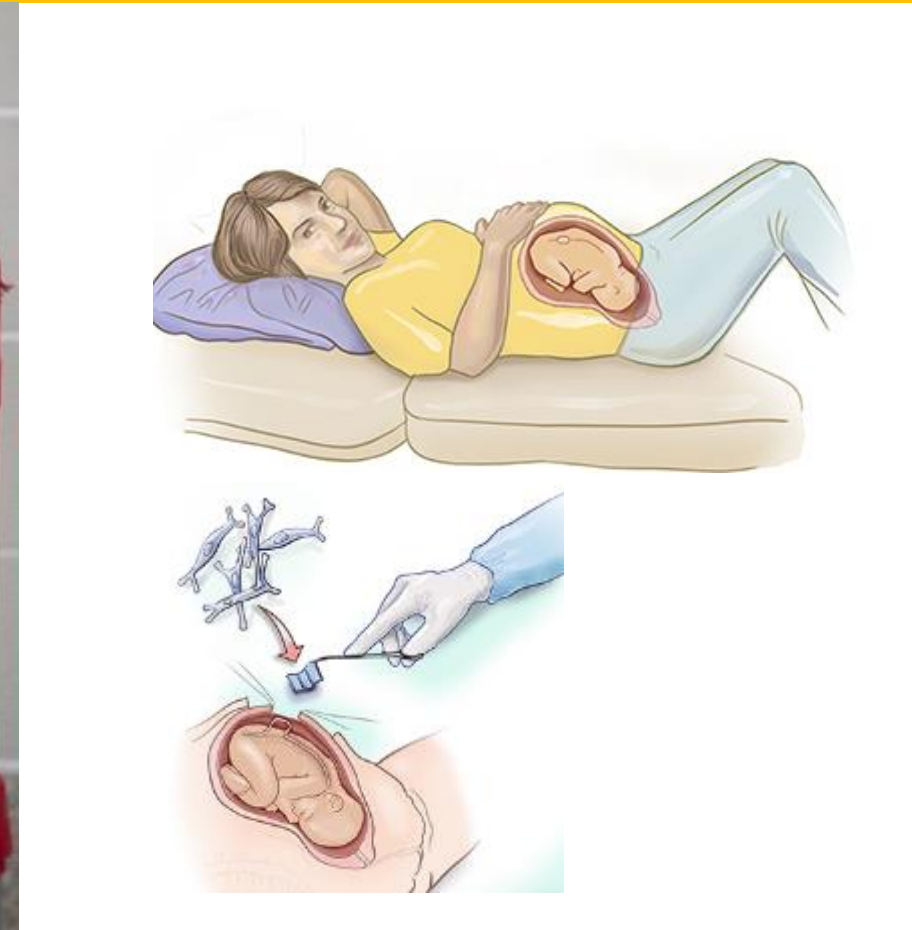
Animal: Horses & Ponies
Keywords: horse, equine, temporohyoid osteoarthropathy
Type: Genetic Study
Target: 200 Participants

Featured studies:



Evaluating a diet to stop itching and diarrhea or vomiting in dogs with skin and/or bowel disease

Novel Veterinary Procedure Helps Pave Way for World's First Spina Bifida Clinical Trial in Humans





**Advanced
Extracorporeal
(Hemodialysis) and
Urinary Disease
Service**



Cardiology

Veterinary cardiologists are a small group of specialized veterinarians with interest



Clinical Pharmacy

The clinical pharmacy service is committed to providing quality medication



Academic Instruction



Research Activities



Outreach



Veterinary Medicine Teaching & Research Center

Healthy Cows - Sustainable Herds - Confident Consumers

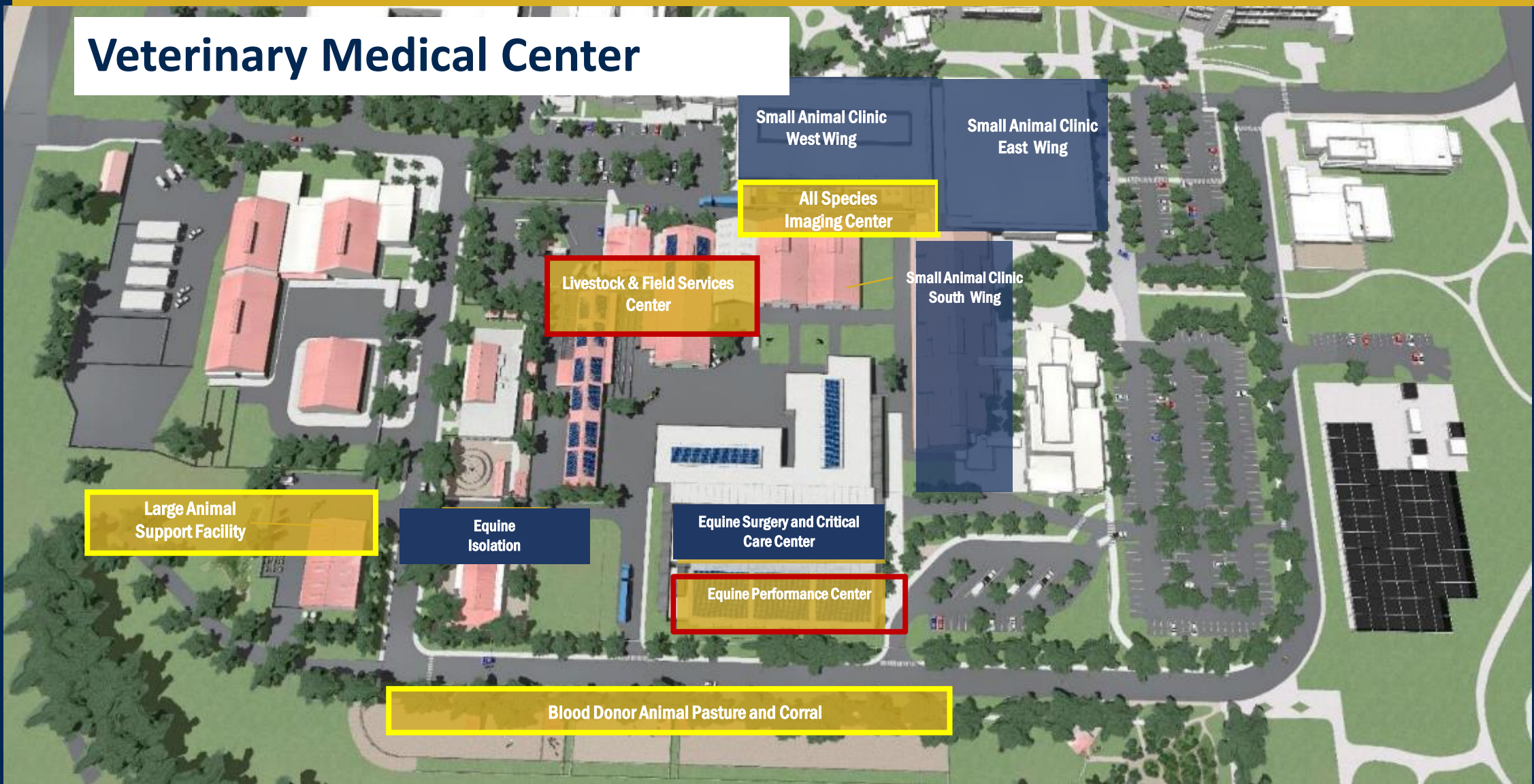


The National Institute of Antimicrobial Resistance Research and Education



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Veterinary Medical Center



Small Animal Clinic
West Wing

Small Animal Clinic
East Wing

All Species
Imaging Center

Livestock & Field Services
Center

Small Animal Clinic
South Wing

Large Animal
Support Facility

Equine
Isolation

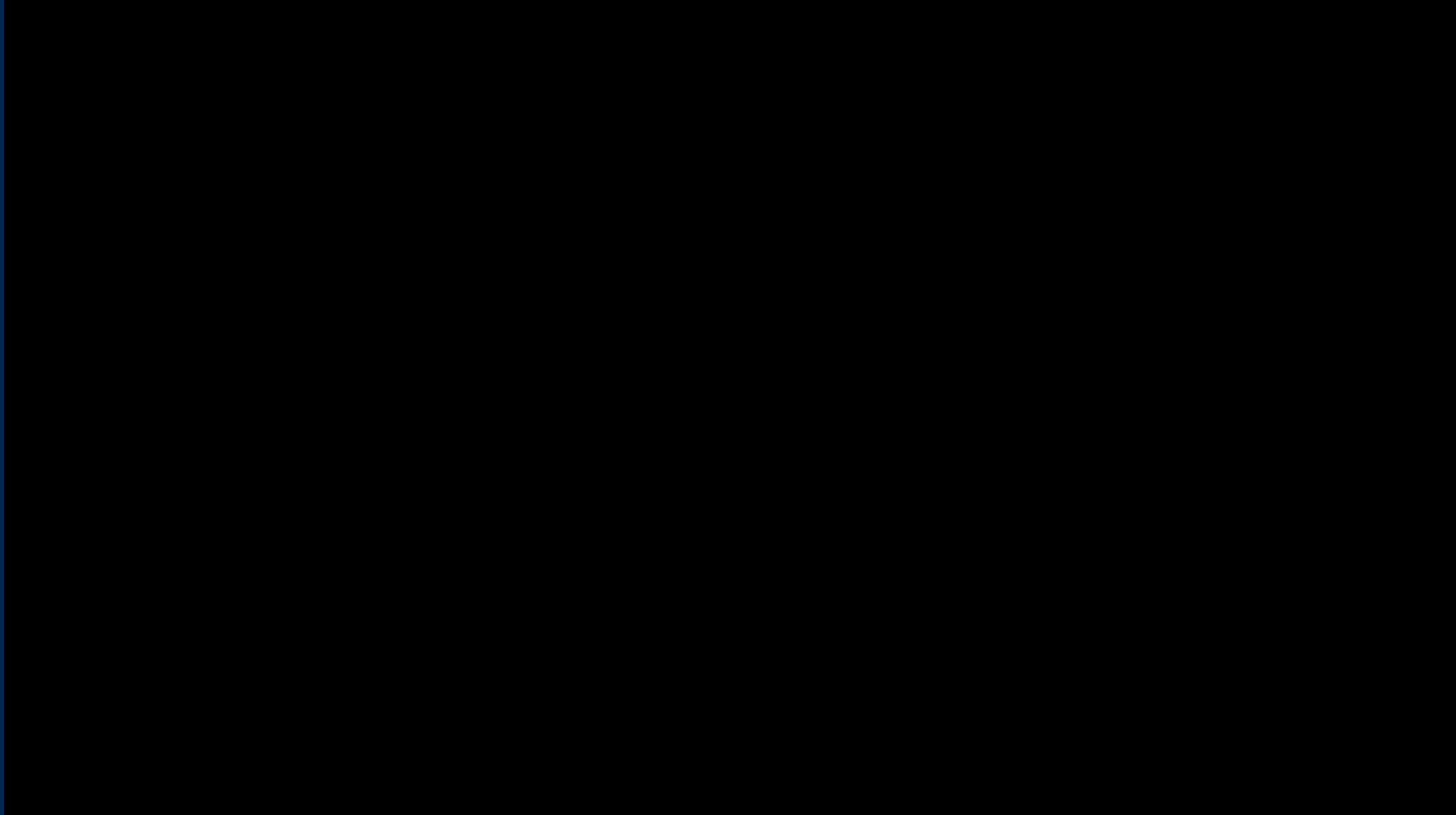
Equine Surgery and Critical
Care Center

Equine Performance Center

Blood Donor Animal Pasture and Corral



Donor Funds Help Create New Feline Treatment and Housing Suite



All Species Imaging Center

To Bid in April 2021



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Satellite Veterinary Surgical Center – New Vision and Opportunities



Goal 4.0 - Advance the Well-Being of Animals and People in California and Around the Globe

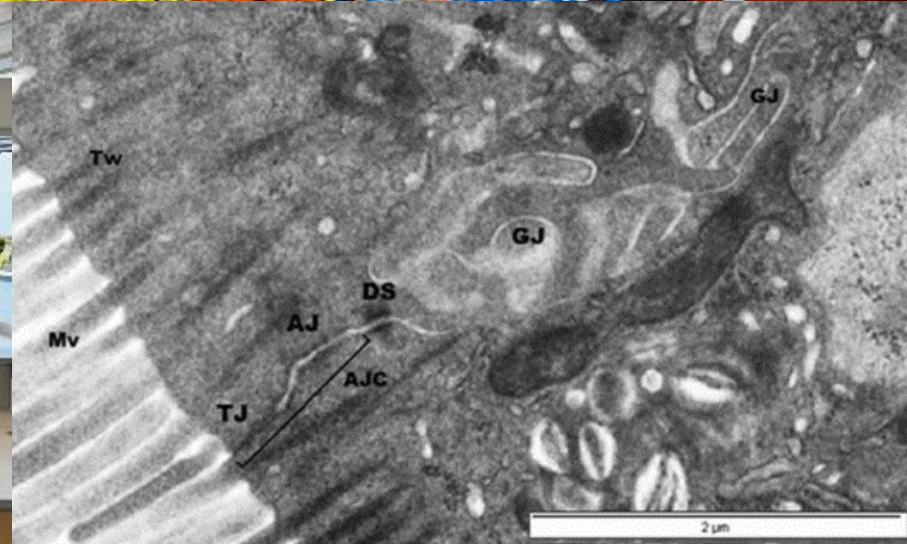


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California Animal Health and Food Safety Laboratory

- Leading Diagnostics Nationally, Protecting California Locally



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Center for Food Animal Health

Addressing animal, public, and environmental health needs related to food animal agriculture in California



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New Grants in Food Safety and Education – From Pathogens to Pollinators



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Cooperative Extension – Adapting and Delivering



Members of 4-H and Dr. Pitesky from UC Davis School of Vet Med Cooperative Extension at the Drive-thru extension event at the Sonoma-Marin Fairgrounds Event

COVID 19 Resources for Agriculture and Food Safety

Worker Health



UC DAVIS
Western Center for
Agricultural Health and Safety



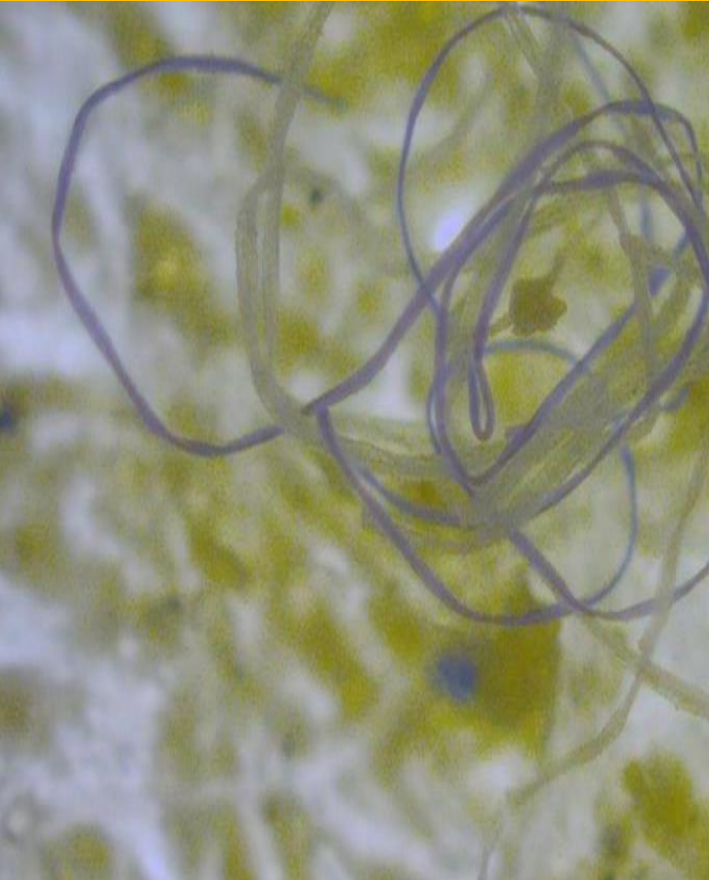
COVID-19 Resources

Free resources and training and testing for the agricultural workplace



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Field Studies - Microplastics to Threatened Marine Mammals



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Animal Disaster Networks – Learning, Recruitment, and Preparing

 Wildlife Disaster Network

- What went well.....
 - Positive Response
 - # wildlife treated
 - Collaboration
 - Survey Data
- Even better yet.....
 - Readiness
 - Long term infrastructure
 - Expansion
 - Training pro
 - Increased faci





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Center for Continuing Professional Education

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Goal 5 -Promote a Vibrant and Diverse Community of Faculty, Staff and Students to Advance the Mission of the School in an Engaged and Respectful Community



UC Davis Veterinary Students Expand Care for Pets of Those Underserved



Community Council – Goal 5 Action Steps



Veterinary Hospital – Establishing Cultural Pillars and Staff Recognition



El Blanco Awards – Animal Owners, Partners in our Mission



2020 El Blanco Award

Dean and Denise Tracy — in recognition of their kindness and deep compassion for animals. Special needs horses find a loving and forever home at Tracy Acres Equine Sanctuary.



2021 El Blanco Award

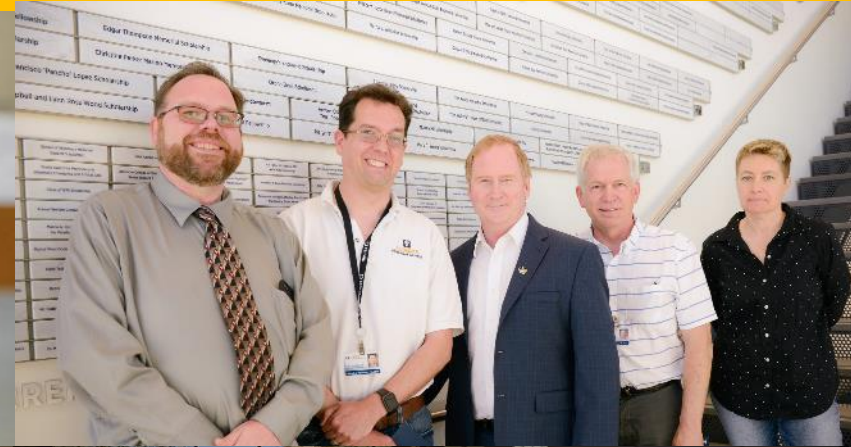
Wayne and Gladys Valley Foundation — in recognition for their transformative support and commitment to the school that has spanned generations.



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Staff Our Foundation of Excellence - recognized for their dedication to providing the best customer service and contribution to clinical care




Communications and Marketing

Spring 2021
UC DAVIS VETERINARY MEDICINE


Synergy

Addressing Societal Needs Through Research



"I had been told in junior high that (being black) could not go to veterinary school in California but would have to go to the black veterinary school in Alabama."

— Don Jones, DVM '74



UC Davis Veterinary Medicine @ucdavisvetmed · Apr 9
At the #UCDavis veterinary hospital, our focus is not only on our patients, but also on the well-being of our clients. #PublicHealthWeek
vetmed.ucdavis.edu/hospital-welln...



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UC DAVIS VETERINARY MEDICINE

QUARTERLY BRIEF

animals • people • environment

UC DAVIS RETAINS STANDING AS BEST VALUE AMONG VETERINARY SCHOOLS





TIME

HEALTH + COVID-19
Coronavirus Researchers Are Using High-Tech Methods to Predict Where the Virus Might Go Next

THE CORONAVIRUS CRISIS

Virus Researchers Cast Doubt On Theory Of Coronavirus Lab Accident

April 23, 2020 · 7:08 AM ET

NEWS

Science & Environment
Coronavirus: Exploiting nature 'drives outbreaks of new diseases'

Los Angeles Times

CALIFORNIA
Trump, Congress scramble to reorganize virus-hunting agency that was mired in budget cuts

THE WALL STREET JOURNAL.

English Edition | May 19, 2020 | Print Edition | Video

U.S.
Your Pets Probably Won't Get Sick
Veterinary experts say there is little evidence of a coronavirus threat to pets

SCIENTIFIC AMERICAN

Subscribe

Destroyed Habitat Creates the Perfect Conditions for Coronavirus

CNN health

A real life 'Contagion': Humans may pass coronavirus to animals to us
By Kristen Rogers, CNN
Updated 7:07 PM ET, Tue April 7, 2020

NEWS

Science & Environment
Coronavirus: Great apes on lockdown over threat of disease
By Helen Briggs
BBC Environment correspondent
10 April 2020

CNN health

Food Fitness Wellness Parenting Vital Signs
The virus hunters who search bat caves for the next pandemic
By Julie Zauig, for CNN
Updated 11:36 PM ET Sun April 26, 2020

Newsweek RISK OF VIRUS SPILLOVER FROM WILDLIFE

RISK OF VIRUS SPILLOVER FROM WILDLIFE TO HUMANS INCREASES THROUGH EXPLOITATION AND DOMESTICATION
BY ARISTOS GEORGIU ON 4/7/20 AT 7:01 PM EDT



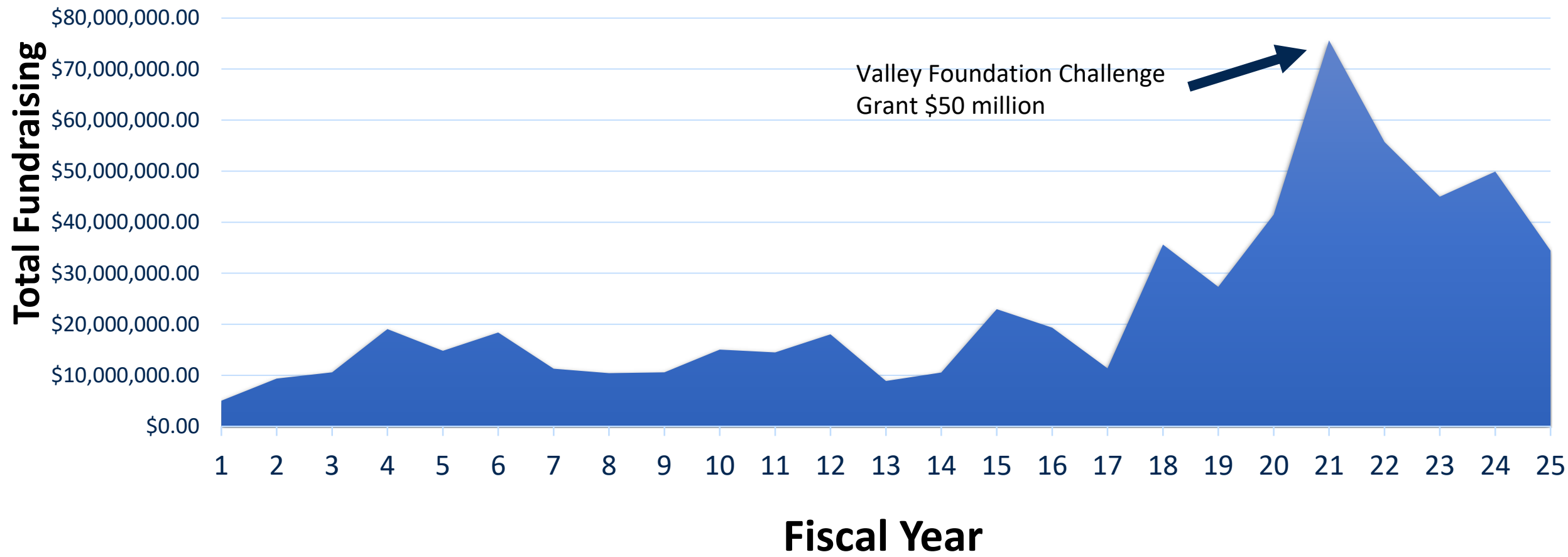
The Atlantic

SCIENCE
A Much-Hyped COVID-19 Drug Is Almost Identical to a Black-Market Cat Cure
Cat owners are resorting to China's underground marketplace to buy antivirals for a feline coronavirus.
SARAH ZHANG MAY 8, 2020



Donors Supporting the Mission

SVM Total Fundraising History 1996 -2020



New Presidential Chair - Messmer Family Presidential Chair in the Companion Exotic Animal Medicine and Surgery Service



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Giving in Action

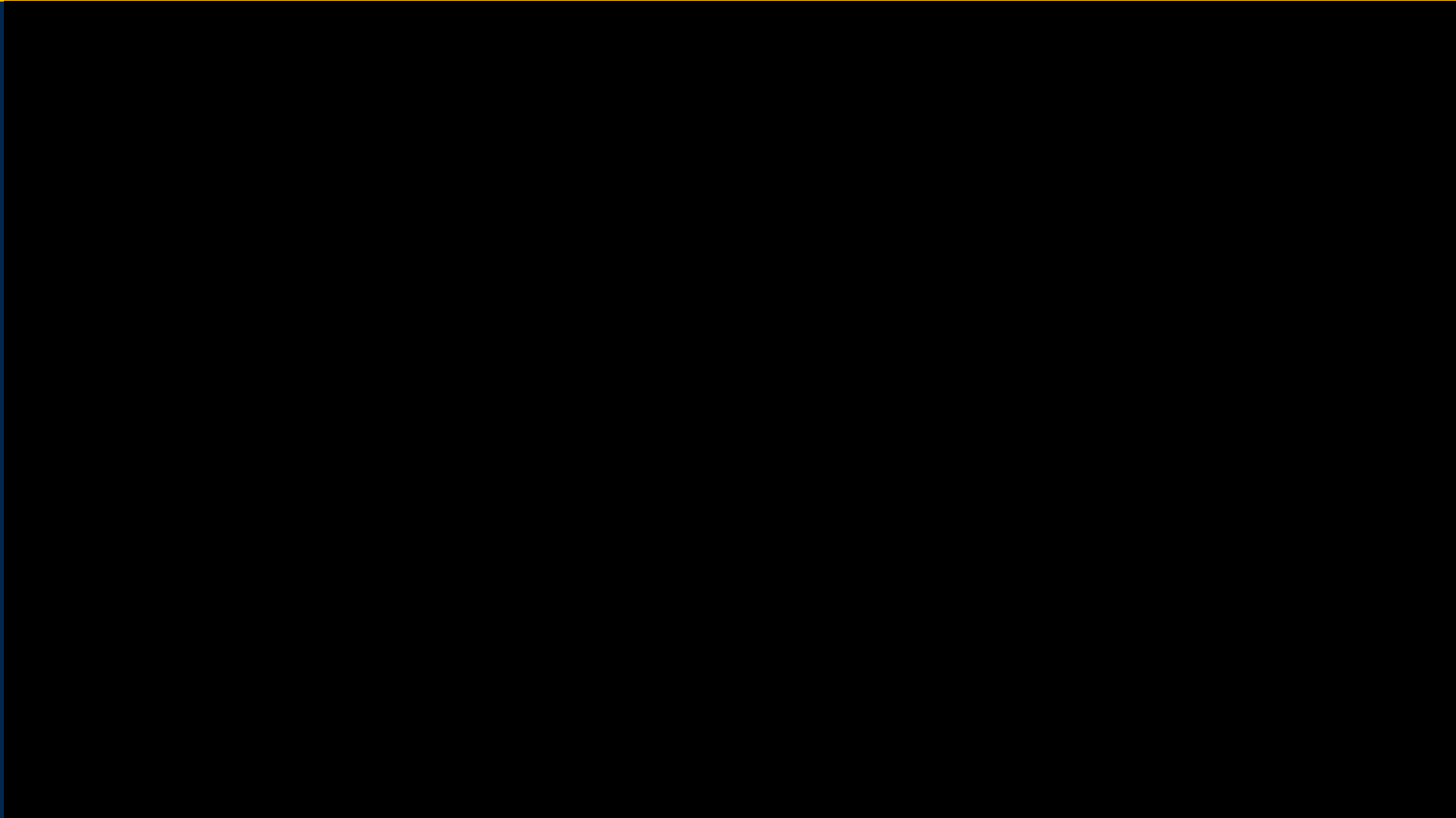


“In addition to dogs, animals of all species have a special place in my heart,” Herman said. “I know that the All Species Imaging Center will help so many animals get the treatment they need. If my gift helps in a small way to make this happen, I am grateful to be in a position to contribute.” – Adrienne Herman – Grateful Client



“Receiving scholarships allows me the time to give back to communities by volunteering at the Mercer Clinic for Pets of the Homeless and also the Knights Landing One Health Clinic. Experiences volunteering at these clinics will help me become a well-rounded veterinarian as I pursue my goals of working for the USDA in food safety.”– Mitchell Ng - Class of 2023

One Health – Expressed Through Our Student’s Voices





Thank You



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