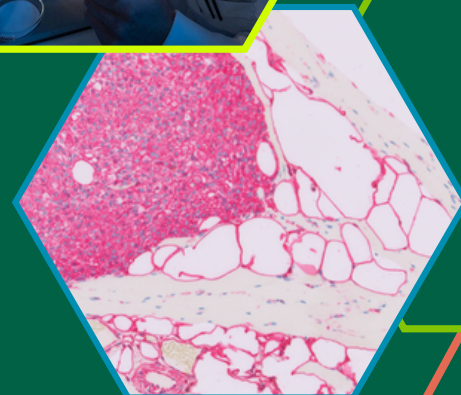


DEPARTMENT HEAD

**MICROBIOLOGY,
IMMUNOLOGY, AND
PATHOLOGY**



COLLEGE OF VETERINARY MEDICINE
AND BIOMEDICAL SCIENCES
COLORADO STATE UNIVERSITY



EXECUTIVE SUMMARY

Colorado State University is seeking a visionary leader to serve as the next Department Head of Microbiology, Immunology, and Pathology (MIP) in the College of Veterinary Medicine and Biomedical Sciences. This leadership position offers an opportunity to make a lasting contribution to the future of veterinary medicine and join a vibrant academic community at Colorado State University. The Department of MIP is renowned for its excellence, and the new Department Head will be instrumental in driving innovation, as well as guiding efforts in education, research, and clinical care.

POSITION OVERVIEW

The Department of Microbiology, Immunology, and Pathology (MIP) at Colorado State University is a nationally recognized leader in biomedical research, education, diagnostic service, and scientific discovery. Through its interdisciplinary programs, the department advances animal health, human health, and public health while providing exceptional educational experiences for undergraduate, graduate, professional, residency, and medical learners. MIP faculty, staff, and trainees drive innovation across microbiology, immunology, pathology, infectious disease, translational science, and diagnostic medicine.

The Department Head of MIP will provide strategic leadership and oversight for a large and complex academic department, guiding its missions in research, education, diagnostics, service, and engagement. Reporting to the Dean of the College of Veterinary Medicine and Biomedical Sciences and serving on the College's senior leadership team, the Department Head will foster a collaborative and inclusive culture, support faculty and staff success, strengthen interdisciplinary partnerships, and advance the department's reputation and impact. The successful candidate will articulate a forward-looking vision, steward departmental resources, and champion innovation and excellence across all aspects of the department's work.

The ideal candidate will hold a terminal degree in a relevant discipline and possess a distinguished record of scholarly achievement that supports appointment as a tenured Professor. Applicants should bring demonstrated leadership experience, strong administrative and fiscal management skills, and a commitment to developing people, building collaborative partnerships, and advancing research, education, and diagnostic programs in a dynamic and evolving academic environment.



ABOUT THE COLLEGE: LEADING VETERINARY EDUCATION, ANIMAL CARE, AND HEALTH INNOVATION

The Doctor of Veterinary Medicine Program was established in 1907 and the College of Veterinary Medicine was formally established as a college in 1949. In 1967, "Biomedical Sciences" was added to the college's name, formally recognizing the growing importance of biomedical research and education within its academic and scientific mission.

Today, the college is comprised of four departments – clinical sciences (CS), biomedical sciences (BMS), environmental and radiological health sciences (ERHS), and microbiology, immunology, and pathology (MIP). CVMBS offers a comprehensive portfolio of undergraduate, graduate, and professional programs that prepare students to advance human, animal, and environmental health. Students

can pursue degrees in biomedical sciences, neuroscience, microbiology and infectious disease, environmental public health, health physics, veterinary medicine, and numerous related disciplines, while benefiting from interdisciplinary certificates, research-intensive graduate training, and innovative combined-degree pathways.

These academic opportunities are strengthened by a culture of excellence in research, clinical care, and education. The college is considered one of the top veterinary schools in the country, is fully accredited by the American Veterinary Medical Association, and has been highly ranked in national surveys, including *U. S. News & World Report*, the Blue Ridge Institute for Medical Research,

and the Planetary Health Report Card. With more than \$96M in annual research expenditures, faculty explore critical issues in human and animal health through world-renowned research programs in infectious disease, orthopedics, neuroscience, cancer biology, animal reproduction, and translational medicine.

The Veterinary Health System (VHS) unites our veterinary care and diagnostic service expertise to provide a collective approach to patient care. The VHS delivers the highest levels of customer service, employee satisfaction, and advancements in medicine through clinical service, research, and innovation. As a partner of CSU's top-ranked academic veterinary program, the clinical team works with researchers and educators to advance the future of veterinary medicine.

\$96.5

MILLION
AVERAGE ANNUAL RESEARCH
EXPENDITURES

1907

FOUNDED
DOCTOR OF VETERINARY
SCIENCES PROGRAM

#3

RANKED
VETERINARY SCHOOL IN THE
NATION
(U.S. NEWS & WORLD REPORT)

Our mission: We are committed to excellence in:

- Educating and inspiring the next generation
- Generating knowledge to solve global and local challenges
- Delivering world-class veterinary care
- Amplifying our impact through access and outreach

Our vision: Advance the well-being of animals, people, and the planet

Our values: Community, integrity, collaboration, and innovation

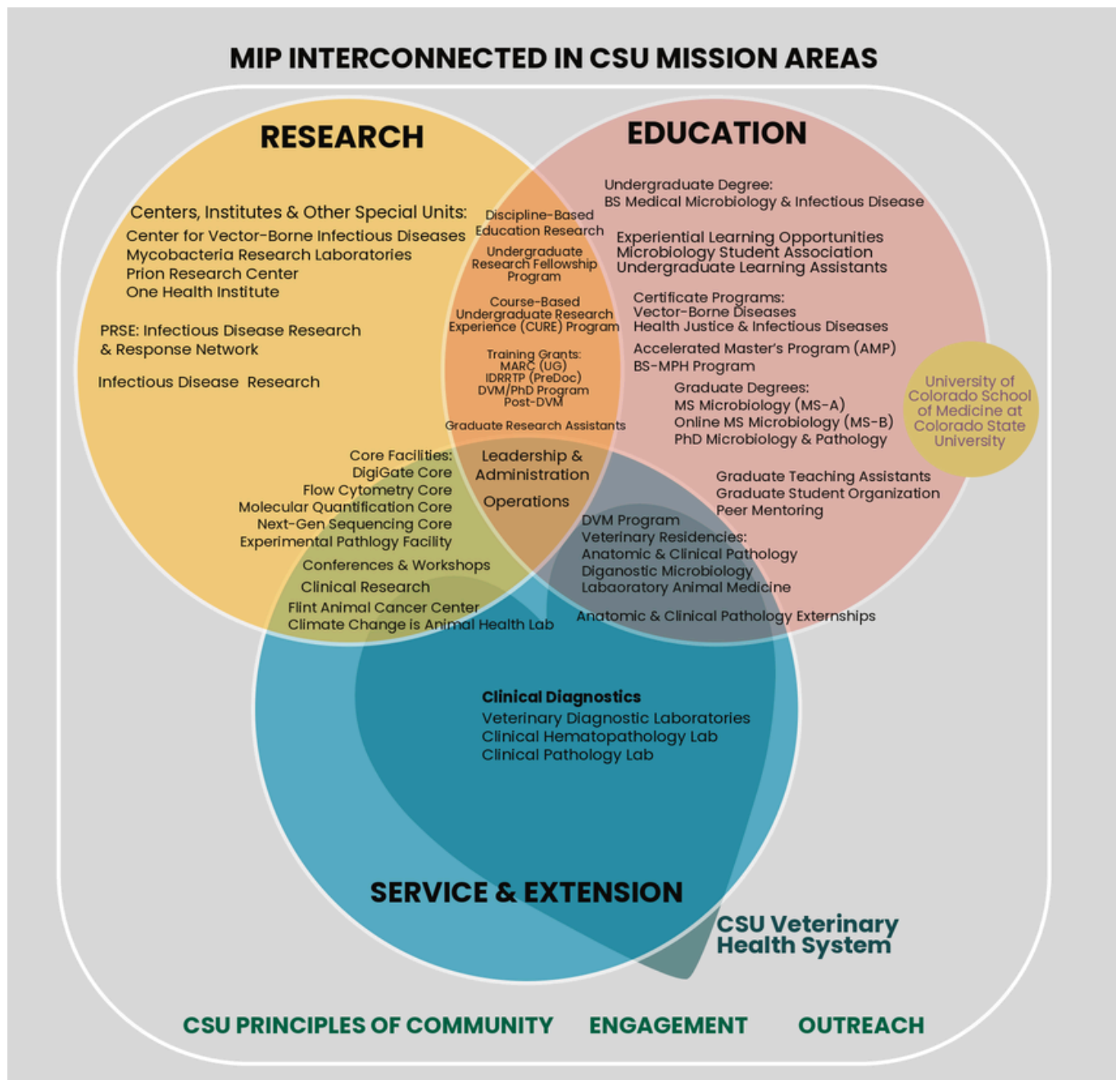


ABOUT THE DEPARTMENT

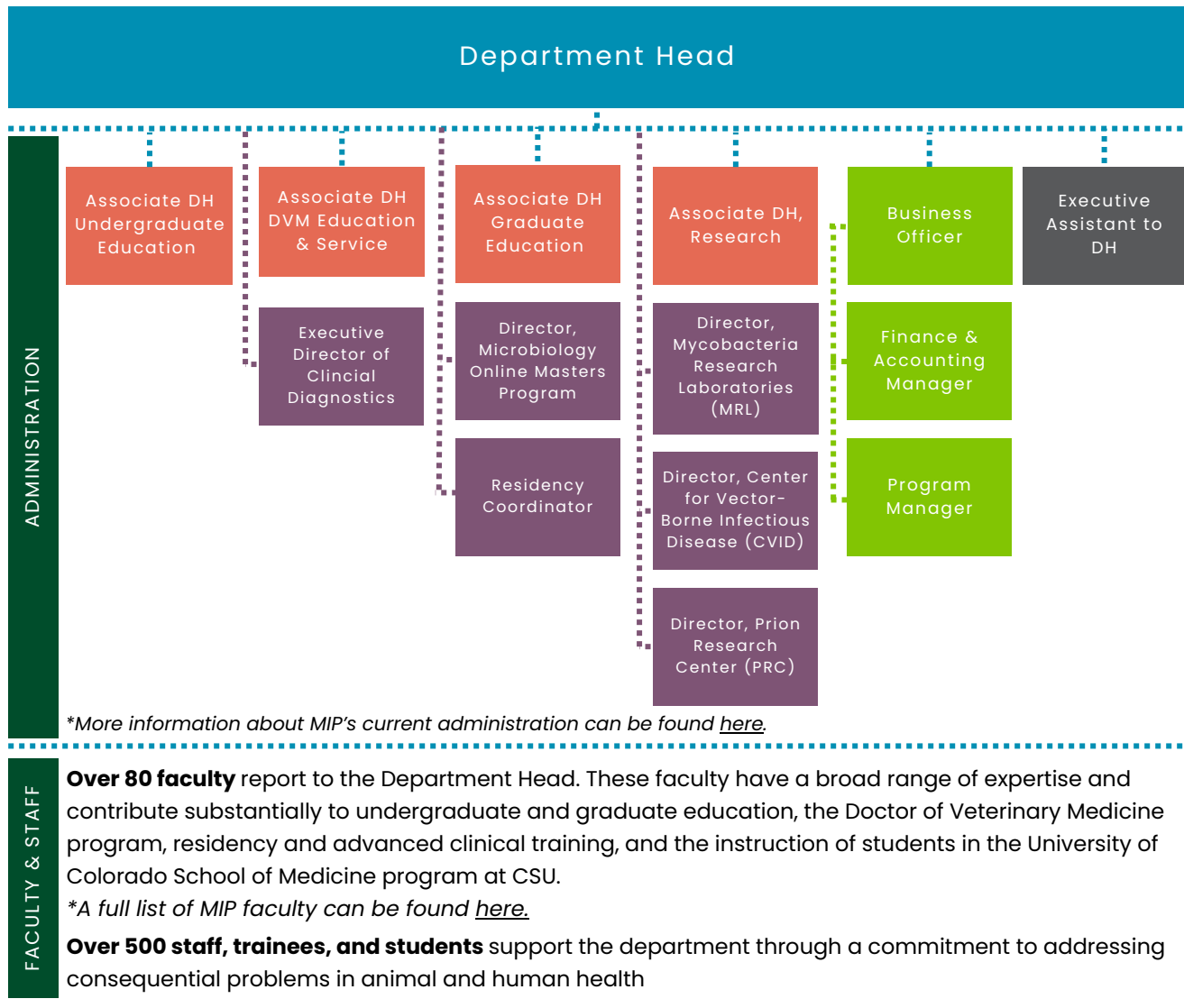
The MIP Department was formed in 2002 as a merger of the departments of Pathology and Microbiology. The rationale for the merger was to establish a versatile department with broad expertise to address the mission of the College under an efficient, centralized management structure.

Department Vision: Pioneering education, research, and clinical service programs that distinguish MIP as a leader in human and animal health.

Department Mission: to pursue excellence in undergraduate, graduate, and veterinary medical education, biomedical research, diagnostic service, and outreach. The department faculty collectively excel in basic and applied science and the integration of all related disciplines through programs in infectious disease. The impact of this expertise brings new knowledge into the clinical setting to improve animal and human health.



CURRENT ORGANIZATIONAL STRUCTURE



DEPARTMENT FINANCES

The Department of Microbiology, Immunology, and Pathology (MIP) is a leading research-intensive department within the College of Veterinary Medicine and Biomedical Sciences. The department manages a diverse portfolio of funding that supports its research, teaching, and outreach missions, including \$16.7 million in appropriated funding, \$36.1 million in annual research expenditures, \$1.9 million in cash-based revenues, and \$243,000 in gift funding. Together, these resources enable MIP to advance discovery, train future scientists and veterinarians, and address critical challenges in animal and human health.



DEPARTMENTAL CONTRIBUTIONS

UNDERGRADUATE EDUCATION

MIP is a recognized leader in undergraduate education, advancing innovative teaching practices, educational scholarship, and impactful student research experiences while helping shape university-wide educational initiatives and elevating the role and recognition of educators.

Undergraduate Programs

- Bachelor of Science in Medical Microbiology and Infectious Disease
- Minor in Microbiology
- Certificate in Vector-Borne Diseases



GRADUATE EDUCATION

MIP has expanded graduate training through highly successful thesis-based and online master's degree programs that have helped hundreds of students achieve their career goals. The department also supports student success through professional development programs for PhD students, fellowship-writing training, and a flexible curriculum that provides a strong foundation for scholarly exploration and diverse career pathways.

Graduate Degree Programs

- MS in Microbiology (Plan A)
- MS in Microbiology (Plan B / Online Track)
- PhD in Microbiology or Pathology



PROFESSIONAL EDUCATION

MIP faculty provide approximately 25% of the didactic instruction in the first two years of the DVM curriculum and deliver practicum training for all third- and fourth-year veterinary students, contributing to the education of more than 600 veterinary students annually. The department has played a pivotal role in veterinary curriculum innovation and in developing nationally recognized training programs, including an NIH-funded combined DVM-PhD veterinary scientist training program and NIH-supported residency-PhD programs in pathology, microbiology, and comparative medicine. These programs have trained graduates who now serve in academia, industry, and diagnostic laboratories. MIP faculty also provide veterinary student research and outreach opportunities and contribute to medical education through a collaborative MD program with the University of Colorado.

Veterinary Programs

- Residencies: Combined residency and PhD in:
 - Anatomic Pathology
 - Clinical Pathology
 - Comparative Medicine (includes MS option)
 - Microbiology
- Externships:
 - Anatomic Pathology
 - Clinical Pathology



DEPARTMENTAL CONTRIBUTIONS, CONT.

RESEARCH

MIP is among the most research-intensive departments at CSU, consistently securing substantial external funding and advancing internationally recognized programs in arbovirology, mycobacterial diseases, and prion diseases. The department has built a highly collaborative and interdisciplinary research environment focused on infectious diseases and emerging health threats, while actively engaging in transdisciplinary science. This collaborative approach helped secure more than 90% of the research funding awarded to CSU in response to the COVID-19 pandemic.

Research Cohort Organizations, Institutes, and Centers

- Center for Vector-Borne Infectious Diseases
- Mycobacterial Research Laboratories
- Prion Research Center
- Center for Metabolism of Infectious Disease
- Infectious Disease Research and Response Network

Areas of MIP Research Experience Include:

Anatomic Pathology	Hematopathology	Pedagogy
Bacteriology	Immunology	Prion Biology
Cancer Biology	Microbiome	RNA Biology
Clinical Diagnostics	Mycobacterial Diseases	Vector Biology
Clinical Pathology	Orthopedic Pathology	Virology
Computational Biology	Patho-biology	Genomics
Parasitology	Education Research	Scientific Communication

**\$171,739,517
SPONSORED
DOLLARS
EARNED
IN THE PAST 5
YEARS**

**192 PEER-
REVIEWED
PUBLICATIONS
IN THE PAST 5
YEARS**

**688 GRANTS
AWARDED
IN THE PAST 5
YEARS**

SERVICE

MIP faculty advance animal and public health through diagnostic, clinical, professional, and community service. Working closely with the nationally recognized CSU Veterinary Diagnostic Laboratories, the department supports diagnostic innovation and disease detection while contributing expertise to grant review panels, journal editorial boards, and professional societies. MIP also maintains strong collaborations with agencies such as the USDA and CDC and engages communities through outreach and educational initiatives, including Science on Tap, CSU Extension, and partnerships with animal health organizations.



Despite its size, multiple missions, and presence across several locations, MIP has cultivated a strong and shared sense of community and purpose. This collective identity fosters seamless collaboration among educators, researchers, clinicians, diagnosticians, and trainees, strengthening connections between fundamental discovery and its application to animal and human health. The department values and celebrates diverse perspectives, backgrounds, and experiences, creating an environment that encourages innovation, partnership, and mutual support. Building on two decades of exceptional success, MIP remains committed to an ambitious vision for the future and continued excellence across its missions.



FACILITIES

The Department of Microbiology, Immunology, and Pathology has twelve acres (over 523,000 sq. ft.) of facility space, and spans across three campuses: South Campus, Main Campus, and the Foothills Campus.

MICROBIOLOGY BUILDING

Located on main campus, this 87,992 sq. ft. facility was originally built in 1968 with a state-of-the-art C wing added in 2002. The facility hosts numerous remodeled BSL2 research laboratories as well as significant teaching space and a student lounge. The ARC-BIO facility, which runs numerous mass spectrometry instruments, is located on the first floor.

PATHOLOGY BUILDING

Located on main campus, this 62,901 sq. ft. facility was built in 1976 and has undergone numerous updates over the years. The facility contains numerous BSL2 research laboratories, teaching spaces, and the main department seminar room. The facility serves as the base for many departmental members of the Prion Research Center.

VETERINARY DIAGNOSTIC LABORATORIES

Located on South campus near the Veterinary Teaching Hospital, this state-of-the-art 113,440 sq. ft. facility was opened in 2009. The facility houses the main branch of the CSU Veterinary Diagnostic Laboratories, one of 12 core laboratories of the National Animal Health Laboratory Network.

RESEARCH INNOVATION CENTER

Located on the Foothills campus, this state-of-the-art 70,473 sq. ft. facility was opened in 2010. In addition to academic BSL2 laboratories, the facility houses the Infectious Disease Research Center and serves the surrounding community as an incubator space for biotechnology companies. BIOMARC, the CSU bio-pharmaceutical manufacturing and academic resource center, is also located within this facility.

REGIONAL BIOCONTAINMENT LABORATORY

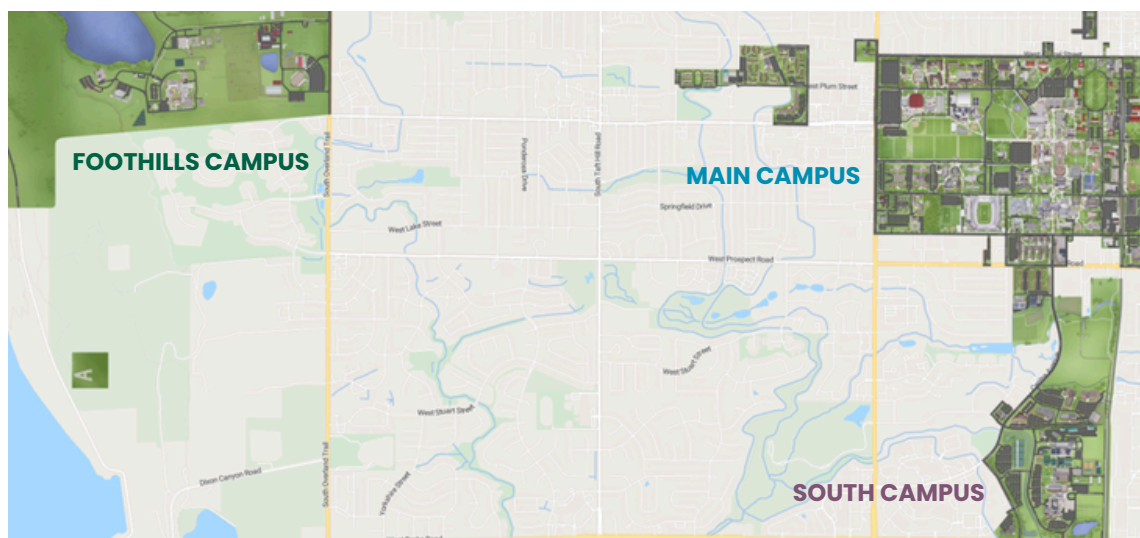
Located on the Foothills campus, this 116,501 sq. ft. facility was opened in 2007 as part of the NIH-supported Regional Center for Biodefense and Emerging Pathogens Program. The facility contains an extensive amount of BSL3 laboratory space to study a wide range of human and animal pathogens.

BIO-ENVIRONMENTAL LABORATORY

Located on the Foothills campus, this 30,820 sq. ft. facility was opened in 2000 to serve the BSL3 laboratory needs of the MIP research community.

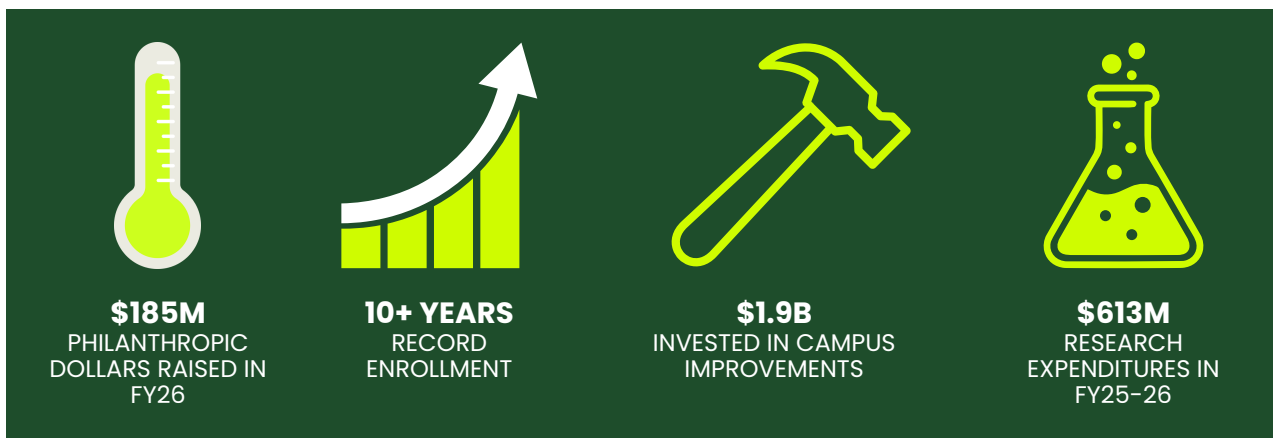
CENTER FOR VECTOR BORNE INFECTIOUS DISEASES

Located on the Foothills campus, this 41,248 sq. ft. facility opened in 2020 and contains a BSL2 laboratory and insect-rearing laboratories to assist in virology and vector biology research.



COLORADO STATE UNIVERSITY

Colorado State University is one of the nation's top public research universities and an institution on the rise. In the last decade, CSU has produced record enrollment, built on all-time highs in student diversity and student success; record fundraising far outpacing ambitious goals; groundbreaking research driven by a highly productive faculty; a campus revitalized by a transformational building campaign; and, perhaps most important, an unrivaled learning environment where nine of 10 recent graduates say they would choose CSU again and rate their education as excellent.



FORT COLLINS

Consistently included as one of the best places to live and work in the country, Fort Collins provides the breathtaking backdrop and home to Colorado State University.

Located on the northern end of Colorado's economically vibrant and environmentally beautiful Front Range, FoCo boasts major employers including Hewlett-Packard, Woodward, New Belgium Brewing, and OtterBox, along with parks and trails galore.



Right here in town, you will find hiking, biking, running, rock climbing, kayaking, cross-country skiing, camping and even sledding opportunities. As the home of the Horsetooth Half Marathon, dual Equinox Half Marathons, the new FORTitude 10K, and countless 5K races throughout the year, the city knows how to make fitness fun.

Fort Collins also is a cultural hub for arts and entertainment that includes CSU's world-class performing arts center, the Downtown Creative District, and a burgeoning live music scene bolstered by some of the best music festivals in the country.

