

UC DAVIS

RESEARCH CORE
FACILITIES PROGRAM

We are thrilled to invite you to an exclusive opportunity to tour UC Davis Core Lab Facilities!

Students will learn about state-of-the-art technologies in core facilities through guided tours and interactive sessions. We aim to give student participants valuable insights into cutting-edge research and technological advancements in various STEM disciplines. Spaces are limited.

Registration closes on October 9th.

Nuclear Magnetic Resonance Facility

Monday, October 16th from 3:00 pm – 4:00 pm
Medical Science 1D Building, Room 18

[Register Here](#)

Center for Plant Diversity Herbarium

Tuesday, October 17th from 1:00 pm – 2:00 pm
Katherine Esau Science Hall
Meeting in the lobby on the north end

[Register Here](#)

Biological Electron Microscopy Facility

Wednesday, October 18th from 9:30 am – 10:30 am
Briggs Hall, Room 29

[Register Here](#)

West Coast Metabolomics Center

Thursday, October 19th from 10:00 am – 10:30 am
Genome and Biomedical Sciences Facility Building, Room 1212

[Register Here](#)

Real-time PCR Research and Diagnostics Core Facility

Thursday, October 19th from 3:00 pm – 4:00 pm
Tupper Hall, Room 3110

[Register Here](#)

Health Sciences District Advanced Imaging Facility

Friday, October 20th from 11:00 am – 12:00 pm
Vet Med 3B Building, Room 1218

[Register Here](#)

For questions, contact dlazo@ucdavis.edu

We strive to make the University better every day.

Nuclear Magnetic Resonance Facility

[Register Here](#)



The Nuclear Magnetic Resonance Facility is equipped with state-of-the-art instrumentation for NMR spectroscopy and magnetic resonance imaging that are used for research that probes atomic-resolution structures of molecules, enabling groundbreaking research in biology, chemistry, engineering and medicine. The facility operates nine spectrometers of varying purposes and capabilities. Join us on a tour to witness the NMR instrumentation and technology that explores the intricacies of biomolecules, chemical reactions, material science, and drug discovery.
CORE's WEBSITE: <https://nmr.ucdavis.edu/>

Medical
Science 1D
Building
Room 18

Monday,
October 16th
3:00 to 4:00 PM

Center for Plant Diversity Herbarium

[Register Here](#)



The Center for Plant Diversity Herbarium is a reference library of pressed, dried plants used for research and teaching. It is one of the larger herbaria in California, housing 300,000 specimens of plants, including mosses, algae and lichens. Our collections come from around the world, but half of our collection is from California. We support UC Davis research and teaching, provide plant identifications to UC Davis and the public, and train students in our specialty of museum curation. Join us for a tour of our collection and to explore the beauty and scientific significance of botanical specimens.
CORE's WEBSITE: <https://caes.ucdavis.edu/outreach/museums/center-for-plant-diversity-herbarium>

Katherine
Esau Science
Hall

Tuesday,
October 17th
1:00 to 2:00 PM

*[Meet in the
lobby on the
north end]*

Biological Electron Microscopy Facility

[Register Here](#)



Our cutting-edge ThermoFisher Glacios electron microscope reveals the atomic details of macromolecular machines and protein complexes, enabling groundbreaking research. The facility encompasses expertise and imaging systems to support research programs in biology, biochemistry, biophysics, and medicine. Join us for a tour witnessing the astonishing structures of molecular machines and delve into the nano-universe that shapes our understanding of biology. Discover how electron microscopy drives innovation in research, from unraveling cellular mysteries to advancing medical breakthroughs. Come explore biological electron microscopy!
CORE's WEBSITE: <https://bioem.ucdavis.edu/>

Briggs Hall
Room 29

Wednesday,
October 18th
9:30 to 10:30 AM

West Coast Metabolomics Center

[Register Here](#)



Our cutting-edge facility and expertise unlock the secrets of metabolism, offering profound insights into health, disease, and beyond. Discover how metabolomics is reshaping our understanding of biology, personalized medicine, and nutrition. This is done using advanced technologies such as mass spectrometry combined with sophisticated statistical methods for data interpretation. Explore the powerful analytical tools and innovative techniques that enable us to decipher the language of molecules. Come witness the future of metabolic research and innovation!
CORE's WEBSITE: <https://metabolomics.ucdavis.edu/>

Genome and
Biomedical
Sciences
Facility
Building
Room 1212

Thursday,
October 19th
10:00 to 10:30 AM

Real-time PCR Research and Diagnostics Core Facility

[Register Here](#)



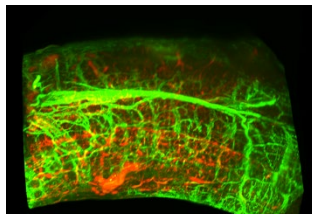
Our state-of-the-art laboratory specializes in real-time polymerase chain reaction (PCR) technologies and empowers researchers and veterinarians by unlocking the secrets of DNA and RNA. The facility offers real-time PCR diagnostic and research services to the veterinary and academic communities. Come see how we provide the fastest turnaround time in the country, giving veterinarians a chance to treat patients rapidly. Try your hand at pipetting and watch some DNA being extracted! As a bonus, you'll get to see live bacteria (on a culture plate). Join us for a tour and witness the transformative power of real-time PCR in the realms of genomics, diagnostics, and beyond. Explore how this cutting-edge technology accelerates scientific breakthroughs, aids in disease detection, and drives innovation in molecular research.
CORE's WEBSITE: <https://pcriab.vetmed.ucdavis.edu/>

Tupper Hall
Room 3110

Thursday,
October 19th
3:00 to 4:00 PM

Health Sciences District Advanced Imaging Facility

[Register Here](#)



Discover the power of high-resolution fluorescence microscopy, innovative techniques, and the potential they hold in advancing scientific knowledge. Join us on a tour and explore the world of advanced biological imaging. The Health Sciences District Advanced Imaging Facility is equipped with state-of-the-art instrumentation: a high sensitivity confocal microscope with super-resolution capability, a multi-photon microscope, and a light sheet microscope. Learn how these instruments work and see the kind of images we can acquire. Witness how our state-of-the-art equipment enables groundbreaking research.
CORE's WEBSITE: <https://advancedimaging.vetmed.ucdavis.edu/>

Vet Med 3B
Building
Room 1218

Friday,
October 20th
11:00 to 12:00 PM